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ITHACA, N. Y.

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Communications relating to membership and matters pertaining to the American Veterinary Medical Association itself should be addressed to Secretary L. A. Merrillat, 1827 S. Wabash Ave., Chicago, Ill. Matters pertaining to the Journal should be sent to Ithaca, N. Y.

THE EXTRA NUMBER

At the Detroit meeting, it was recommended by the Journal committee, and ratified by the association, that the proceedings with the constitution and by-laws and directory of members should be published in a separate number, if possible. In acquiring a Journal as a substitute for the old method of printing the papers and proceedings of the association in a single volume, it was necessarily a matter of experiment. During the first year the proceedings were published in installments in eleven numbers of the Journal. This plan involved delay and more or less inconvenience. The present plan enables the proceedings to appear in a reasonably prompt period and should be of greater convenience to the members of the association and others interested in it.

P. A. F.

THE EXECUTIVE BOARD MEETING

A meeting of the recently appointed executive board was held at Secretary Merrillat's office in Chicago, December 5, to consider various matters which have arisen in connection with the new constitution and by-laws and the Journal. Dr. V. A. Moore was elected chairman of the board. Arrangements were made for re-

muneration for the secretary, treasurer and editor for the services they render. In connection with the work on legislation, the Lobeck bill for the interest of the U. S. Veterinary Inspectors was discussed. This matter was considered by the executive committee at the Detroit meeting, but through some inadvertence escaped final action. The executive board therefore favored an appropriation of \$500 to promote active assistance for the benefit of the inspectors. The deserved needs of this body of men and the increased value to the service is self-evident.

The committee on Journal, consisting of a former executive committee of the association, is replaced by the present executive board, from which a subcommittee on Journal was appointed. It consists of Doctors Torrance, Mohler and Archibald.

The question of the place for the next meeting of the association was decided in favor of Kansas City, Mo. The time is set for the week beginning August 19, 1917. Earnest efforts have been made by many members throughout the Missouri Valley to have the association again meet within its boundaries after a lapse of ten years. The success of the former meeting at Kansas City and the well known energy and enthusiasm of the veterinarians of the middle west are favorable omens that the next meeting will be one of the most successful yet held. It is none too early for each member to cooperate with the officers and local committee to make this a banner meeting; to arrange individual plans to attend and to interest others who are not members to enter the ranks of the association and join effort, in every worthy way, to promote and strengthen the veterinary profession of this continent.

P. A. F.

The Report of the Ontario Veterinary College for 1915 states that the new college building has been completed and equipped and work of instruction carried on there. At the opening exercises of the college addresses were delivered by Dr. C. C. James and Dr. W. Cowan. The total number of students registered for the year was 290 of which 115 were from Ontario. During the year 87 students were graduated.

Dr. W. H. Hurst has removed from Chadron, Neb. to Sioux Falls, So. Dakota.

FISTULA OF THE WITHERS

H. E. BEMIS, Ames, Ia.

It would seem that there should be nothing new to say upon this time old subject of fistula of the withers but from the number of recent inquiries there seem to be some who think that the writer has an operation which is new and successful. If experience in operating fistulas has anything to contribute toward success, we here in Iowa surely ought to be successful.

Before proceeding with a description of the operation, I should like to say a few words about the difference in the nature of conditions which are found causing enlargements in the region of the withers and all too commonly grouped under the one term "fistula" a good deal as all indigestions are called "colic". I believe the primary condition in the process of fistula formation is in most cases a serous bursitis of the supra-spinous bursa which underlies the ligamentum nuchae at the second, third, or fourth thoracic spine. This bursitis usually develops rapidly and appears as a uniform, rather soft, hemispherical enlargement on one or both sides of the neck just in front of the scapulae. At this stage, the walls are thin, the contents uniformly fluctuating, little evidence of heat or pain, and the surrounding tissues little involved. If such a process is opened, there escapes a thin watery fluid and some coagulum. In this stage there is no tendency toward perforation, although the process may become of considerable size.

If the distended bursa does not become infected, the process develops to a certain point and then remains unchanged for an indefinite period. The fluid may become largely absorbed and the region permanently thickened due to the development of connective tissue around the process. If the process becomes infected, then an abscess develops with the usual acute symptoms and thickening of the walls around the periphery but thinning and perforation at certain high points. This is the only stage which can truly be called a fistula of the withers. Finally one sometimes sees a permanent thickening of the entire region after one of the previous stages has subsided. In this stage the enlargement is the only symptom.

The next question is, what should be done for this condition in the various stages? We have, in a number of cases of bursitis at-

tempted to secure resolution following the application of blisters or tincture of iodine to the surface, or by aspiration of the contents and the injection of iodine into the cavity but all to no avail. We have come to the conclusion that these processes must be treated by giving drainage the same as in the true fistulas but with this difference. The animal should first have its resistance raised by a course of bacterin treatment and the operation at first should be mere drainage through a linear incision for this reason. The process not being infected, nature has walled it off from the rest of the body but little. As soon as it is operated, infection gains entrance from the exterior and if the opsonic index is low and the wound surface large rapid absorption of toxic products takes place from the wound's surface causing extensive swelling in the region and a septicemic condition of the animal. After this stage is passed a more radical operation can then be used if necessary.

If a fistulous process has abscessed but not yet perforated, I prefer again to drain it for several days through mere incision before operating extensively to prevent the great infection of the fresh wound surface which will take place if we operate through pus pockets.

For the radical operation, I claim no originality. I got the form of incision at least from Dr. Adams at Pennsylvania University. I always precede the operation by thorough control of the animal, including general anaesthesia, and thorough preparation of the field, hands and instruments. No matter where the fistulous opening may be, the center of the process and the necrotic base which must be removed is usually over the second to fourth thoracic spine and consequently drainage must be secured in front of the scapula.

In this region, make a triangular incision with the base of the triangle uppermost, three or four inches from the top of the neck and two to four inches in length. The apex of the triangle should be slightly below the lower border of the rhomboideus muscle so that the sides of the triangle may be five to six inches in length. The incision passes through the skin, trapezius, and superficial fascia. When the triangle is removed the rhomboideus is exposed. The operator can now work over the superior border of the rhomboideus into the cavity to trace out fistulous tracts, remove necrotic ligament and determine the depth of the process. If there is extensive

swelling and necrosis an incision may also be made exactly on the median line and tissue removed through both openings.

When all has been cleaned up the next consideration is proper drainage and here is one of the most important steps in the operation. The deep cervical fascia underlies the rhomboideus and overlies the splenius and trachelo-mastioideus. Drainage over this structure is sufficiently low to drain the region of the bursa. It is of great importance, therefore, to leave the deep fascia intact so as to conduct secretions toward the exterior and to prevent their migration between the deeper layers of muscle. To accomplish this, a blunt instrument should be passed under the lower border of the rhomboideus, along its inner surface directly into the pocket above. The passageway can then be enlarged from before to behind and if necessary the muscle partially divided from below outward and a large drainage tube inserted. Sometimes the lowest part of the pocket will not fall in the triangular area. If not, then a linear incision can be made down upon the lower border of the rhomboideus in front of the triangle and drainage provided in the same way. If the process extends far back, counter incisions may be made where needed.

In a few cases, deep tracts will be found between spines at the top of the withers. These in our hands have remained incurable. The third class of enlargements in this region where there is general thickening without discharge, heat, or pain should not be disturbed.

Dr. F. N. Davidson has removed from Petoskey, Mich. to Buhl, Idaho.

The next meeting of the Colorado Veterinary Medical Association will be held at Denver, Col., on Thursday, Jan 25, 1917.

The mid-winter meeting of the Montana Veterinary Medical Association will be held at Missoula, Mont., Jan. 5 and 6. An interesting program is assured.

The next meeting of the Kentucky Veterinary Medical Association will be held at Hopkinsville, Ky., Jan. 10, 1917.

Dr. J. W. Randall has removed from Wauconda, Ill. to East Lansing, Mich.

PROCEEDINGS OF THE AMERICAN VETERINARY MEDICAL ASSOCIATION

Detroit, Michigan, Monday, August 21, 1916, A. M.

The Fifty-third Annual Convention of the American Veterinary Medical Association was formally opened at the Auditorium of the Detroit Board of Commerce, Monday, August 21, 1916, at 11 A. M., by the President, Dr. R. A. Archibald, who introduced the first speaker as follows.

THE PRESIDENT: The time has come to call the fifty-third meeting of the American Veterinary Medical Association to order. We had anticipated having the Governor of this state, the Honorable Woodbridge N. Ferris, here to welcome us this morning; but it has proven impossible for the local committee to have him here. They anticipate, however, having him here later, and we will have the pleasure of hearing from him then.

We have with us a representative of the Municipal Government of this splendid city of Detroit, who comes here to represent the Mayor, and to give us an address of welcome. I have the honor to introduce to you, Mr. James H. Lee, of Detroit, Michigan.

(Mr. Lee's address was published in the September number of the Journal.)

THE PRESIDENT: Ladies and gentlemen, it seems fitting that a proper response should be made to this splendid address of welcome; and your local committee on arrangements has chosen one of our silver tongued orators who can be depended upon to do it right. I have great pleasure in calling upon Doctor Tait S. Butler from Tennessee to respond to the address of welcome.

(Dr. Butler's address was published in the September number of the Journal.)

THE PRESIDENT: Ladies and gentlemen; the next in order on our program for this morning's session is the President's address, which I shall read to you.

(The President's address was published in the September number of the Journal.)

THE PRESIDENT: Ladies and gentlemen, the next order of business, according to our program this morning will be the roll call.

DR. QUITMAN: Mr. President, I move that the registration, which has been taken at the door, be substituted for the roll call.

DR. MARSHALL: I second the motion.

THE PRESIDENT: It has been regularly moved and seconded that we substitute the registration at the door for the roll call. You have all heard the motion, are you ready for the question? All those in favor of this motion will signify by saying "Aye". Those contrary minded, "No". (The motion unanimously prevailed).

The next item on the program is the submission of the minutes of the previous meeting as published in the Journal.

DR. MARSHALL: Before the minutes of the last meeting are acted upon, I would like to make an explanation with reference to the way the dues were raised from three dollars to five dollars. There is a possibility that this is not entirely clear, and my attention has been called to the matter since I arrived in Detroit. I would therefore like to make a statement of the way I understand the matter before the minutes are accepted.

It appears that the proposition was made at the New York meeting to raise the dues from three to five dollars. At the Oakland meeting the question came before the executive committee, and the executive committee voted not to recommend to the association that the dues be raised. It went before the association and it was voted to raise the dues from three to five dollars a year.

My attention has been called to the fact, since I came here, that it required a two-thirds vote to raise the dues or to amend the by-laws. I have been asked if we had a two-thirds majority. It has been a year, and I do not remember. I am of the opinion that it was just a majority vote and not a two-thirds vote. At the San Francisco meeting there was not a very large attendance, and I do not wish any action that is not absolutely right. Some of you have probably been disappointed because you have not received your bill for dues. This is the reason the bills have not been sent. I think, before the final step is taken in regard to this proposition of raising the dues from three to five dollars a year, that it should be resubmitted. I would like to have you all satisfied that the thing is done regularly.

Therefore I would like to make a motion to refer this matter again to the executive committee for their recommendation as to what should be done with this proposition.

DR. HART: I second the motion.

THE PRESIDENT: It has been moved and seconded that this matter be referred to the executive committee; are you ready for the question? All those in favor of this motion signify by saying "Aye". Those contrary minded "No". The "Ayes" have it, and it is so ordered.

The next order of business is the report of the executive committee. Is the chairman of the executive committee ready to report?

DR. MARSHALL: I should have included in the motion before the request that the report of the executive committee be deferred until the question of dues be taken up.

THE PRESIDENT: I think that was understood. The executive committee is not ready to report now.

SECRETARY, HARING: I move that we adjourn to meet in the ball room of the Hotel Statler at 2 P. M.

THE PRESIDENT: Before that motion is put I wish to say that the chairman of the local committee on arrangements has an announcement or two to make.

DR. DUNPHY: As the secretary has informed you, all the rest of the meetings will be held in the ball room and parlors of the Hotel Statler. There will be no more meetings in this hall. We believe that everybody can be nicely taken care of at the Hotel Statler.

Any persons wishing dinner can get it in the dining room of this building, nice meals are served there *a la carte*, at reasonable prices, and those who do not wish to go any further to the restaurants or hotels can get their dinners served here.

I think the general program covers any other announcement which it might be necessary to make. Dr. Krey has arranged for the entertainment of the ladies; I think the first general entertainment will be tomorrow afternoon, with the exception of a shopping tour which will be made in the morning.

There is another matter I wish to bring before you. Honorable Woodbridge N. Ferris, the Governor of this State, was to be here this morning to welcome us to the state, but certain business in connection with the executive office kept him away. He has called me up by telephone and informed me that if it is the pleasure of this association he would like to meet them Tuesday evening, any time from seven or seven-thirty on; he will be glad to meet you in the assembly room of the Hotel Statler, and if it is the wish of the association, the Governor will be glad to deliver a short address of welcome. That is the earliest time the Governor can reach Detroit. If it is decided to meet the Governor, I would like as large an attendance as possible. It is rather a rare thing to get the Governor to leave the cares of the state long enough to recognize us and bid visitors welcome to the state.

DR. QUITMAN: Doctor Dunphy got me a little mixed when he announced that the rest of the meetings would be held at the Hotel Statler. Then he spoke about getting dinner down here, implying that there might be a further meeting in this hall today. Will you kindly make that plain, as there are others confused on the matter too.

THE PRESIDENT: We do not come back to this hall. The further meetings of the association will be held at the Hotel Statler.

DR. MAYO: I move that this association extend a special invitation to Governor Ferris to address us tomorrow evening at a time to be fixed by the committee.

DR. HART: I second the motion.

THE PRESIDENT: It has been regularly moved and seconded that we invite Governor Ferris to address us tomorrow evening at a time to be fixed by the executive committee. You have heard the motion, are you ready for the question?

All those in favor of the motion will signify so by saying "Aye". Contrary minded, "No". The "Ayes" have it, and it is so ordered. Dr. Krey has an announcement to make.

DR. KREY: I just want to say to the ladies that we wish to get them organized so that we can carry on our entertainment without any confusion. If the ladies will be kind enough to meet in the small banquet hall just after luncheon at about one or one-thirty o'clock, we will take this matter up and let them go as soon as possible.

I would like to say that through an unfortunate condition in this city at the present time, owing to the excessively long period of heat, the ice condition is bad. The hotel therefore finds trouble in getting vegetables and provisions enough, so they have to send out of town for them. They have impressed it on

the committee that it is absolutely imperative to know immediately how many will be at our banquet. That is the reason we have been very active this morning trying to sell banquet tickets. It is not that we want to separate you from your money so quickly, but we want to work in cooperation with the hotel to make the banquet a success. In connection with that, I want to say that the banquet is going to be absolutely informal. We want you to come to the banquet and enjoy yourselves. We are going to have a good banquet and we want everybody to come.

I would like to say in regard to the excursion on Thursday that it is planned to have an all day sail. We are going to Algonac, Michigan, which is about forty miles from Detroit. I don't know where you could find a nicer place. We would like to have everybody on the steamer by nine o'clock. The steamer is scheduled to leave the foot of Bates street at nine o'clock in the morning. If some of you happen to be late we will make some arrangements to take care of you, but I simply want to request you to be there in time if you can. We know you are going to enjoy it. We know you will find it very much cooler up there.

DR. ———: I would like to ask what time we are going to go by here?

DR. KREY: You go by Detroit time, which is Eastern time. All clocks in Detroit are set by Eastern time, and everybody runs by Eastern time with the exception of the railroads. I think that is all I have to announce.

THE PRESIDENT: I will entertain a motion to adjourn.

SECRETARY HARING: I move that we adjourn until two o'clock this afternoon.

(This motion being seconded and put to vote prevailed).

Hotel Statler, Detroit, Michigan,
Monday, August 21st, 1916, P. M.

THE PRESIDENT: Gentlemen, you will please come to order. Have we any unfinished business?

SECRETARY HARING: There is the executive committee.

THE PRESIDENT: Are you ready to present the report of the executive committee? Gentlemen, listen to the report of the executive committee.

SECRETARY HARING: On account of the large number of applications for membership in the American Veterinary Medical Association, the executive committee has decided to deviate from the usual custom of reading the names and addresses, the colleges and vouchers of the applicants. Instead, they had a list printed and we have here a list of 414 names. And there is an additional list, I cannot tell you how many, but somewhere between 25 and 100, which will be presented later. This gives the names of the applicants, their addresses, the college and vouchers. The names are on this printed list, and they are recommended to you by the executive committee for election to membership in the A.V.M.A. They are arranged by states, and you are requested to take these sheets and look them over carefully, particularly the names of those in your respective states. If you find any fault with this list we want to know it.

I have canvassed the country for the membership in the A.V.M.A., and I did not take any particular pains to select the men, any veterinarian was good enough so far as literature was concerned; but, when it comes to election for membership, I look to you to protect the association from undesirable members. The secretary or the executive committee cannot know all of these men so we will distribute these printed lists and leave them in your hands until tomorrow morning. There are additional sheets here for any who may come in later.

THE PRESIDENT: They will look at them for an hour. As I understand it, you will have lots of time to study this list between now and tomorrow morning. If there is no objection, we will pass the executive committee's report and go on to the next item on the program. This calls for the report of the secretary.

(Published in the October number of the Journal).

THE PRESIDENT: Gentlemen, what will you do with the report of the secretary?

DR. W. HORACE HOSKINS: I move that the report be received and referred to the Journal for publication.

DR. HIGGINS: I second the motion.

THE PRESIDENT: Gentlemen, you have heard the motion. The motion is that the secretary's report be received and referred to the Journal for publication. Are you ready for the question? All those in favor of the motion will signify it by saying "Aye". Contrary minded, "No". It is so ordered.

The report of the treasurer. Is Dr. Schneider present?

DR. SCHNEIDER: I would like to present my report as printed; you will find copies all over the room.

THE PRESIDENT: Gentlemen, do you want to act on this report now? If so, what is your pleasure?

DR. W. HORACE HOSKINS: I move that the report be received and referred to the finance committee.

DR. MOHLER: I second the motion.

THE PRESIDENT: It has been regularly moved and seconded that this report be received and referred to the finance committee. All those in favor of the motion will signify the same by saying "Aye". Contrary minded, "No". The "Ayes" have it. It is so ordered.

The next in order on the program will be the report of the Librarian, Dr. Frost. Is Dr. Frost present? (See Journal for December 1916).

THE PRESIDENT: You have heard the report of the Librarian; what is your pleasure?

DR. W. HORACE HOSKINS: I move that the report be received, and the recommendation of the librarian be referred to the executive committee.

DR. HIGGINS: I second the motion.

THE PRESIDENT: It has been regularly moved and seconded that this report be received, and that the recommendation be referred to the executive committee. All those in favor of the motion will signify the same by saying "Aye". Those contrary minded, "No". The "Ayes" have it, and it is so ordered.

We will now listen to the report of the committee on diseases. I believe Dr. Mohler is chairman.

DR. MOHLER: Mr. President, this will consist of a joint report by the chairman with special reference to hemorrhagic septicemia; then there will be individual reports by Dr. Higgins on disinfectants, and Dr. Kinsley on hemorrhagic septicemia, Dr. Giltner on contagious abortion. This paper will be presented before the symposium on contagious abortion on Wednesday, I believe. Dr. Meyer's paper has not been received unless the secretary has it.

SECRETARY HARING: It was delivered to Dr. Eichhorn and he was to deliver it to Dr. Mohler.

DR. MOHLER: I have not received the paper. I will now read my report. (See Journal).

THE PRESIDENT: Gentlemen, we will call upon Dr. Higgins, another member of this committee to report on the efficiency of the various disinfectants. (See Journal).

THE PRESIDENT: The next member of the committee on diseases is Dr. A. T. Kinsley; the title of his report is "Hemorrhagic Septicemia in Cattle in the Middle Section of the United States".

THE PRESIDENT. Dr. K. F. Meyer is not here, but we have his report. If it is your desire the secretary will read it, or it can be read by title and appear in the published proceedings later.

DR. HIGGINS: I move that the report be read by the secretary.

DR. MOHLER: I move that it be read by title, and referred to the committee on Journal for publication.

SECRETARY HARING: I second the motion.

THE PRESIDENT: It has been moved and seconded that the paper be read by title and referred to the committee on Journal for publication. All those in favor of the motion signify the same by saying "Aye". Contrary minded, "No". The "Ayes" have it and it is so ordered.

The other member of the committee will read his paper during the symposium on contagious abortion. The report of the committee on diseases is now before you; what is your pleasure?

DR. MOHLER: I move that the report be received and referred to the committee on Journal.

DR. HOSKINS: Second the motion.

THE PRESIDENT: It has been moved and seconded that the report of the committee on diseases be received and referred to the committee on Journal. All those in favor of the motion will signify the same by saying "Aye". Contrary minded, "No". The "Ayes" have it, and it is so ordered.

The next item on the program is the report of the committee on intelligence and education. Dr. N. S. Mayo.

DR. N. S. MAYO: Mr. President, that committee is not quite ready to report. We need a little more time.

THE PRESIDENT: The next item on the program is the report of the committee on Reorganization. I am informed by the chairman of that committee that it is not ready to report.

According to our program that completes the work of the afternoon. Have you anything that you wish to take up, Mr. Secretary?

SECRETARY HARING: We could get rid of some of these committee reports; that would leave us more time for a later session.

THE PRESIDENT: What is the pleasure of the members? If there is no objection I will call for any report that may be ready at this time. Is there any chairman of any committee ready to make a report? We have quite a little time on our hands.

DR. J. F. WINCHESTER: I can make a report on the Salmon Memorial Fund if you desire.

THE PRESIDENT: If there is no objection, that will be next in order. Dr. Winchester. (The report of the Salmon Memorial Committee was published in the November Journal).

THE PRESIDENT: Do you desire that the matter go over until tomorrow before we receive it?

DR. HOSKINS: I would rather refer that to the executive committee or upon the recommendation of the chairman to Dr. Winchester as to the question of expense.

DR. N. S. MAYO: Isn't it understood that the expenses of the committee appointed—I mean to say, the necessary expenses of a committee appointed by this association are to be borne by the association?

THE PRESIDENT: It is customary.

DR. MAYO: It seems to me it follows necessarily that, where a committee is appointed to do a certain work, the necessary expense of this committee is to be borne by this association, but in order to bring it before the association clearly, I move that the necessary expenses of the committee on the Salmon Memorial Fund be borne by this association.

DR. MOHLER: I second the motion.

THE PRESIDENT: It has been moved and seconded that the association bear the expense of collecting the fund for the Salmon Memorial. Are you ready for the question?

DR. TAIT S. BUTLER: Can he give some estimate of the amount of the expenses? I think that in passing a resolution for the purpose of appropriating money, we ought to have some idea of the amount of the expenditure. I think it would be better if Dr. Mayo would indicate some figures, the maximum figure—not that we anticipate that the committee will spend too much, but just as a matter of business. I think we ought to know.

DR. HOSKINS: I do not think it is necessary for Dr. Butler to recommend that. I believe that the expenses which I turn in tomorrow are simply expenses of postage and of printing. All the clerical work has been done in my office by my own clerical force, and I will present no bill for that at this time, but it involves a great deal of work, and I would like some limit on it so that I might feel that some part of this expenditure would be borne by the association. The amount of expenditures that I turn in tomorrow morning will be solely those of printing and postage.

DR. BUTLER: I am heartily in favor of the association bearing the expense; I think that certainly all will agree that in work of that sort the association ought to bear the expense. I think in passing the resolution that we ought to put in a limit to the amount, whether they use that amount or as much thereof as is necessary.

THE PRESIDENT: Would the committee be able to give us some idea of what would be the proper amount?

DR. HOSKINS: I believe if it were not to exceed \$300 it could be conducted on that for the year. I would like to bear some part of the clerical expense, but I don't feel that the committee ought to bear all of it individually. I will say not to exceed \$300 to pay the items of postage and printing until the work is completed.

THE PRESIDENT: Is there any further discussion on the matter?

DR. QUITMAN: We could not hear the estimates that were stated.

THE PRESIDENT: He said \$300 might be the maximum amount that would be allowed to cover some part of the clerical expense as well as printing and postage.

DR. HOSKINS: But it takes a very large part of one man's time.

DR. L. A. MERILLAT: I am rising to ask whether this is the final report of the committee.

THE PRESIDENT: I understand so, Dr. Merillat.

DR. HOSKINS: This matter seems to be one that involves the status of a number of committees, and so we have on our list, and have had for a great many years a finance committee. Wouldn't it be better if all of these appropriations were to go through the finance committee and have everything come through it? Let it make an estimate as to what would be required for each committee during the year, and set apart, if necessary, say \$1,000 for things to allocate to the various other committees. It seems to me that this is the basis upon which this ought to be done, with this committee or any other committee, that is the general policy.

DR. QUITMAN: I would like to say that I am heartily in accord with this memorial fund, but I would like to ask the chairman of that committee, or perhaps the president can inform me, whether any definite plans have been made, or any in view, as to show how the fund is going to be distributed; how the selection is going to be made as to where the intending students are to be selected; as to what college or what class of colleges, by that I mean state universities or private schools. I wish to say to the chairman of that committee that, if that question is ever made plain in this association, the American Veterinary Medical Association pledges itself in regard to the unprejudiced distribution of these scholarships, they will get this fund together very, very much quicker than if it is kept in the background as it has been in the past. I have been asked that question by practitioners time and time again, who are ready to send in a check for various amounts and they want to know whether any one kind of a school is going to be favored. I, personally, am ignorant about it; perhaps the association has some such plan. If they have I would like to know it. If they haven't, I would suggest that before any further

steps are taken in this matter that this association pledge itself to the veterinary profession of America as to how this fund is to be distributed, how the selection is to be made, and by whom. This is an A.V.M.A. matter and I would like to get some illustration of this.

DR. WINCHESTER: That is a point that I am glad to have brought up. I answered that indirectly when I was up before. This committee was appointed to raise this fund, the interest of which would be sufficient for a scholarship. When that fund is raised this committee ceases to exist. It is the business of the A.V.M.A. then as to how it shall be disposed of. We have nothing whatever to do with that, and I am glad that you brought the matter up at this time. The association certainly will be broadminded and liberal enough not to be narrowed down to any one thing, except, as I understand it, it will be confined to the North American Continent.

DR. MAYO: I am very glad I heard this statement. I labored under a wrong impression. The greatest obstacle I have found towards the contribution to this fund, (and I have made some efforts along this line through the urgent request of Dr. Hoskins) has been that this committee is a continuous committee. The members being appointed from time to time to fill the vacancies, the expenditure of this money would be in the hands of this committee. I had confidence enough in this committee to be satisfied on that point, but the average contributor over the country is not so well acquainted with these gentlemen as some of us are. That has been one great obstacle standing in the way of getting contributions. If that could be set aside so that we will know positively that the A.V.M.A. is going to spend this money according to the vote of the association from time to time, I think it will give us a good deal of leverage in raising this money.

DR. HOSKINS: At the meeting in Oakland, in the report of the committee one year ago it was stated that it was the opinion of the committee that any one obtaining this sum of money for a scholarship would have the selection of a school himself as to where he will go. We did suggest that if the money was given for a scholarship for a post-graduate course that that post-graduate course would not be in the school in which he was a graduate, and that whether it was a scholarship or a fellowship it should be in a veterinary school of North America; and that the money was to be appropriated on your recommendation for the purpose of doing some special work. It was to be your province to select a man to do that special work and bring back the results of his work to this association. So far as the committee is concerned it has no other province than the raising of this amount of money.

DR. QUITMAN: I still insist that the A.V.M.A. should go on record in line with what Dr. Hoskins has just stated. He stated that there was a statement made by the committee in answer to a simple question, he admits, or the committee admits, that when they collected this fund they will have nothing more to say about it. I still maintain that the association ought to go on record along the lines as mentioned by Dr. Hoskins, that the student or the intending student be allowed without prejudice, to choose his own college. Furthermore, some definite plan should be worked out by which that student shall be chosen. We don't want, perhaps, a favored few in this association to have the say as

to who shall receive that fund. Some definite plan should be worked out, and that should be stated in the literature of the committee. When that is made public, the committee can take my word for it, they will get many a contribution that is now being held up, because the graduates of certain colleges say, "We don't want to support certain other colleges at the exclusion of a certain class of colleges"; that is the way the thing stands. I know a good deal of money myself that is being held up until this thing is made positive and definite. I think this association should lay out definite plans to help this committee out. They will get this fund together inside of another year instead of two years more, and in six months I think that they will get it together and be able to work out a definite plan. Either this committee or another committee, or the executive committee of this association ought to go on record and pledge this fund absolutely and say how it is to be distributed, and how the worthy candidates are to be selected.

DR. R. C. MOORE: In order to get this before the association I would like to make a motion.

THE PRESIDENT: There is a motion before the house. The question is on Dr. Mayo's motion. The motion is that the expenses of the Salmon Memorial Committee shall be paid by the association.

DR. MAYO: I think I specified the necessary expense. Of course, that is understood.

THE PRESIDENT: I will add the words "necessary expenses".

DR. TAIT S. BUTLER: I will move as an amendment that we insert the clause, "The sum of \$300 or as much thereof as may be necessary".

DR. KINSLEY: I second the amendment.

DR. BUTLER: \$300 a year or as much thereof as may be necessary to be appropriated annually, until this sum is raised.

THE PRESIDENT: There is a motion that the sum of \$300 be appropriated to pay the expenses of this committee or as much thereof as may be necessary.

DR. QUITMAN: Per year?

THE PRESIDENT: Is there any discussion on the motion?

DR. HIGGINS: Does that mean that this has to be approved by the finance committee?

THE PRESIDENT: Not necessarily. There is no provision in the by-laws so far as I know. There should be, but there is not.

DR. HIGGINS: May I make an amendment to the amendment, that this be extended under the authority of the finance committee.

THE PRESIDENT: It will anyway; it must be. The question is on the amendment; are you ready to vote on it?

DR. MAYO: Don't all resolutions carrying money appropriations have to be referred to the executive committee?

THE PRESIDENT: I don't think so. Our by-laws are very faulty in that respect. Are you ready to vote on the amendment? All those in favor of the amendment signify the same by saying "Aye". Contrary minded, "No". The "Ayes" have it, and it is so ordered.

The vote is now on the original motion as amended. Are you ready to vote? All those in favor of the motion will signify the same by saying "Aye". Contrary minded, "No." The "Ayes" have it. It is so ordered.

DR. R. C. MOORE: I would like to move that the Salmon Memorial Committee be requested to formulate a plan and recommend that plan to this association during this meeting for its adoption for the expenditure of this money; so that we will have something definite on record, when we go out to solicit subscriptions.

THE PRESIDENT: Do I hear a second to that motion?

DR. QUITMAN: I second it.

THE PRESIDENT: It has been regularly moved and seconded that the committee on the Salmon Memorial Fund submit to this association at this session a definite plan of action. Is there any discussion? Are you ready for the question? All those in favor of the motion signify the same by saying "Aye". Contrary minded, "No". The "Ayes" have it, and it is so ordered.

Is there anything else to come up in this report? If not, we will delay the acceptance of the report until it comes to us in proper form. Is that satisfactory, Dr. Hoskins?

DR. HOSKINS: Yes, that is all right.

THE PRESIDENT: Gentlemen, Dr. Fish has a message to submit to us.

DR. FISH: Gentlemen, some days ago I received a message of greeting from Dr. Liautard of France, and I wish to take this opportunity to present it to the association.

"You will receive this letter but a few days before the meeting in Detroit. Of course, I will not be there, and yet my whole thought will be with you. May I ask you to carry to all the members present my most friendly greeting and best wishes for the success of the association? To her continuous grandeur all my thoughts will go on that day; and if I am here alone, I shall certainly drink a good glass to the health and happy prosperity of all those who will be there." (Applause).

THE PRESIDENT: Gentlemen, what will be done with this message?

DR. WINCHESTER: I move that it be acknowledged, and the felicitations of the association be sent to Dr. Liautard.

DR. HOSKINS: I second the motion.

THE PRESIDENT: You have all heard the motion. Are you ready for the question? All those in favor of the motion will signify the same by saying "Aye". Contrary minded, "No". The "Ayes" have it, and it is so ordered.

I will appoint a committee of three, consisting of Drs. Fish, Winchester and Ellis, to convey the greetings of this association to Dr. Liautard.

The following cablegram was sent to Dr. Liautard: "Association sends best greetings to its founder." Signed by Drs. Fish, Winchester and Ellis, Committee.

THE PRESIDENT: Is there any other committee ready to report? The question has been raised that no opportunity was afforded for a discussion on

the report of the committee on diseases. I think the matter was left open; but, apparently, it has not been so understood. Is there any one that would like to discuss the report of the committee on diseases? What is your pleasure, do you desire to adjourn? We have no further business to transact unless there is some other committee to report.

(For discussion, see Journal).

THE PRESIDENT: Is there any further discussion? What is your pleasure in regard to remaining in session? The chair has no business.

SECRETARY HARING: I move we adjourn.

(This was seconded and on being put to a vote was carried and the meeting adjourned until Tuesday, August 22nd, 1916, at 9:30 A. M.)

Detroit, Mich., August 22, 1916, 9:30 A. M. Ball Room, Hotel Statler. The meeting was called to order by Dr. R. A. Archibald, the President, in the chair.

THE PRESIDENT: Gentlemen, will you please come to order?

The first item on the program this morning is the report of the executive committee. I will call upon Doctor Marshall, who is the chairman of that committee.

DR. MARSHALL: The first recommendation from your executive committee is in reference to the question that was referred to them yesterday, namely, the raising of the dues from three to five dollars. Action was taken on this matter last evening.

The executive committee has reviewed the minutes in respect to the way the dues were raised, and while they feel there may have been a possibility that the thing was not done regularly, they feel that, inasmuch as it was done, it should be considered final.

They, therefore, recommend that the minutes, as they are, should be considered correct, and that the dues remain at five dollars, as stated by the resolution.

The second is in reference to the following resolution:

"*Resolved*, That papers presented at the meetings of the American Veterinary Medical Association are the property of the association; provided, however, that the reports by state and federal employees may be accepted with the understanding that, when possible, arrangements be made with the editor to publish them first.

"2. *Resolved*, That the reports of special and standing committees should be reserved for publication in the Journal.

"3. *Resolved*, That the committee on Journal should have discretionary power to reject papers or to permit their publication through other channels."

That is all the executive committee has to report with the exception of applications for membership. Do you wish to act on those at the present time?

DR. HOSKINS: I move that we proceed with the report of the executive committee.

THE PRESIDENT: Does that mean, including the names that were submitted yesterday on the printed list?

DR. HOSKINS: Including the names that were submitted yesterday as printed.

SECRETARY HARING: There are certain corrections on the list of names as printed yesterday. Under North Carolina, the last name on the list should not appear, as it is not vouched for by two men resident in the same state. Other than that, the list is correct, provided there are no objections.

THE PRESIDENT: Suppose we act upon the substance of the report first.

DR. MARSHALL: There is one other recommendation, and that is that one-half of the expense incurred by Doctor Haring in making a trip from California to Chicago and return to attend the meeting of the executive committee, held December 3, 1915 be paid. The executive committee recommends that this be paid.

DR. HOSKINS: I move that the report be received.

DR. MAYO: I second the motion.

THE PRESIDENT: It has been regularly moved and seconded that the report of the executive committee be received.

DR. HOSKINS: And that the recommendations be taken up seriatim.

THE PRESIDENT: And that the recommendations so made be taken up seriatim. You have heard the motion. Are you ready for the question? All those in favor of the motion will signify the same by saying "Aye". Those contrary minded, "No". The "Ayes" have it. It is so ordered.

DR. MARSHALL: The first recommendation is in reference to the minutes of the last meeting.

DR. HOSKINS: I move they be approved.

DR. MAYO: I second the motion.

THE PRESIDENT: It has been regularly moved and seconded that the minutes of the last meeting be approved as published in the Journal. All those in favor of the motion will signify the same by saying "Aye". Those contrary minded, "No". The "Ayes" have it. It is so ordered.

DR. MARSHALL: The next recommendation is in reference to the presentation of papers, as set forth in the following resolutions.

(Dr. Marshall read the resolutions again).

DR. HOSKINS: I move the adoption of the recommendation.

DR. HIGGINS: Seconded.

THE PRESIDENT: It has been regularly moved and seconded that this recommendation be adopted.

DR. BUTLER: I rise for a point of information.

THE PRESIDENT: State your point, Dr. Butler.

DR. BUTLER: Do you regard the resolutions committee as a standing committee?

THE PRESIDENT: It is so provided in the by-laws.

DR. BUTLER: I believe it is a mistake to withhold the report of the resolutions committee for publication in the monthly Journal. I believe that the resolutions of this organization are intended to and should be given the very

widest possible circulation, and that they ought to be published in the daily press at the time the report is adopted. I think it is a serious mistake to smother these resolutions for publication in the Journal, because thereby you defeat the very purpose for which the resolutions were intended.

I, therefore, move an amendment that the committee on resolutions only be excluded from that list of committees. I think this should carry.

DR. STEWART: I second the motion.

THE PRESIDENT: An amendment has been offered that the report of the committee on resolutions be exempt from this ruling, should you adopt this recommendation. Are you ready to vote on the amendment? All those in favor of the amendment will signify the same by saying "Aye". Contrary minded, "No". The "Ayes" have it, and it is so ordered. The question now is on the adoption of the recommendation of the executive committee as amended. Are you ready for the question? All those in favor of the motion will signify the same by saying "Aye". Contrary minded, "No". The "Ayes" have it, and it is so ordered. The next recommendation, Dr. Marshall.

DR. MARSHALL: The next recommendation is in reference to paying one-half of the actual expenses incurred by the secretary in attending the meeting in Chicago on December 3, 1915.

DR. HOSKINS: I move its adoption.

DR. MAYO: I second the motion.

THE PRESIDENT: It has been regularly moved and seconded that this recommendation be adopted. All those who are in favor of the motion will signify the same by saying "Aye". Contrary minded, "No". The "Ayes" have it, and it is so ordered. The next, Dr. Marshall.

DR. MARSHALL: The next is some additional applications for membership. Have you acted on these that were already printed?

THE PRESIDENT: No, not as yet.

DR. MARSHALL: Then shall I read these first?

THE PRESIDENT: I think not. I think we had better act on the printed list first. Unless there are objections that will be the order. What is your pleasure in regard to the printed list of applications?

DR. HOSKINS: I move that they be elected to membership, and that the secretary be instructed to cast the ballot of this association in that respect.

DR. MAYO: Seconded.

THE PRESIDENT: It has been moved and seconded that the gentlemen whose names are printed in the list submitted yesterday, with the exception of the one which was challenged by Dr. Haring, be elected to membership, and that the secretary be instructed to cast the ballot.

DR. S. STEWART: I want to object to the election of one man by the name of Hudson Chadwick of Mississippi. Hudson Chadwick has been applying for membership for three consecutive calendar years. He is ineligible on that account. Another point, he is dishonest. He has not paid his college fees in two different colleges. I don't think he is a fit man for membership in this organization. I object to him.

THE PRESIDENT: In this connection, in order to facilitate matters, I would suggest that if any of these names are challenged, that they be withheld for the time being, and be acted on separately. If there is no objection, that will be the order. Are there any other names that are challenged? I believe that makes two names of those on this list. I think this is a very important matter, and I hope that all of you gentlemen have very seriously considered and studied this list. The executive committee worked on these names for about twelve hours more or less. Are you ready to vote on the motion? All those in favor of the motion, will signify the same by saying "Aye". Contrary minded, "No". The "Ayes" have it, and it is so ordered. The secretary will cast the ballot of the association for these men, electing them to active membership.

SECRETARY HARING: I have done so, Mr. President.

DR. S. STEWART: I now object to the name of Hudson Chadwick. I move that he be rejected.

DR. CAMPBELL: I second the motion.

THE PRESIDENT: It has been regularly moved and seconded that Dr. Hudson Chadwick of Jackson, Mississippi be rejected. You have heard the motion. Are you ready for the question? All those in favor of the motion will signify the same by saying "Aye". Contrary minded, "No". The "Ayes" have it, and it is so ordered.

SECRETARY HARING: And Braxton M. Weston of Swanquarter, North Carolina.

THE PRESIDENT: Yes. This completes the recommendations of the first report of the executive committee.

DR. MARSHALL: Here are some more names in addition to the printed list.

THE PRESIDENT: The chairman of the executive committee has some more names to submit to you.

DR. MARSHALL: These names were not submitted in time for printing in the list. I will read the name of the candidate, his address, the college from which he graduated, the date, and his vouchers. Unless there is objection, I will read on until I complete the list. If any of you wish to object, speak during the time I am reading the name of the particular candidate.

(Dr. Marshall read the list; there was no objection to the names as read).

THE PRESIDENT: You have heard the report of the executive committee. What is your pleasure?

DR. HOSKINS: I move that they all be elected to membership in this association, and that the secretary be instructed to cast the ballot.

THE PRESIDENT: Wouldn't it be better to accept the report first, Dr. Hoskins?

DR. HOSKINS: I move to accept the report of the executive committee.

DR. MAYO: I second the motion.

THE PRESIDENT: It has been regularly moved and seconded that the report of the executive committee be accepted. Are you ready for the question? All those in favor of this motion will signify the same by saying "Aye". Contrary minded, "No". The "Ayes" have it, and it is so ordered. What will you do with the recommendation?

DR. HOSKINS: I move that those men be elected to membership, and the secretary be instructed to cast the ballot therefor.

THE PRESIDENT: It has been regularly moved and seconded that the names read by the chairman of the executive committee be elected to membership, and that the secretary be instructed to cast the ballot. All those in favor of that motion will please signify the same by saying "Aye". Those contrary minded, "No". The "Ayes" have it, and it is so ordered.

Is there anything further from the executive committee?

DR. MARSHALL: Nothing.

THE PRESIDENT: Is the committee on intelligence and education ready to report now? Dr. Mayo is the chairman of that committee.

DR. N. S. MAYO: Mr. President, and members of the American Veterinary Medical Association, the following is the report of the committee on intelligence and education: (See Journal, December 1916.).

THE PRESIDENT: What is your pleasure in regard to the report of the committee on intelligence and education?

DR. HOSKINS: I move that it be accepted.

DR. HIGGINS: I second the motion.

THE PRESIDENT: It has been regularly moved and seconded that the report of the committee on intelligence and education be accepted. All those in favor of the motion will signify the same by saying "Aye". Contrary minded, "No". The "Ayes" have it, and it is so ordered.

Is the committee on reorganization ready to report? I am afraid not.

The next item on the program is the report of the committee on finance. Is that committee ready to report?

DR. E. L. QUITMAN: We are not ready.

THE PRESIDENT: Then we will pass that for the time being.

The next will be the report of the committee on necrology. Dr. Jensen, are you ready to report? (See Journal, December 1916).

THE PRESIDENT: What will we do with the report of the committee on necrology?

DR. HOSKINS: I move that the report be received.

THE PRESIDENT: What was your motion, Dr. Hoskins?

DR. HOSKINS: My motion was that the report be received, and that the usual record be made upon our minutes of the deaths of these members.

THE PRESIDENT: Do I hear a second?

DR. MAYO: I second the motion.

THE PRESIDENT: It has been regularly moved and seconded that the report of the committee on necrology be received, and referred to the committee on Journal for publication. All those in favor will signify by saying "Aye".

DR. HOSKINS: I do not feel that I should hesitate or fail to say a word in regard to the death of Dr. D. Arthur Hughes of Chicago.

Dr. Hughes was one of the very strong men of our profession, one who always had a very deep interest and concern for its advancement, and its wel-

fare. No man was a greater factor in bringing to your attention why the veterinarians of our country should receive recognition at the hands of our Federal Government in the army veterinary service. I am quite sure that there is not one within the sound of my voice but has received some circular or some pamphlet under the *nom de plume* of Garrison Steele which he prepared incident to the work of interesting Congress in this recognition. They were printed in almost all of our veterinary Journals under that *nom de plume*, so those of you who read them carefully will recall with what earnestness, with what great sincerity he appealed to you to support this measure, that our profession might be recognized at the hands of our Federal Government.

His loss was a great loss to the veterinary literature of this country, for he was almost a daily writer for our veterinary journals, and always contributed something that was well considered, well thought out and of the greatest importance to the real true advancement of the profession.

THE PRESIDENT: Are you ready to vote on the motion? All those in favor of the motion will signify the same by saying "Aye". Contrary minded, "No". The "Ayes" have it, and it is so ordered.

SECRETARY HARING: Here is a telegram from Dr. S. J. Walkley, Secretary of the Association of the Bureau of Animal Industry Employees:

"Greetings and best wishes for a successful meeting from National Association of Bureau of Animal Industry Employees. Lobeck Bill, H. R. 16,060, now before House on Union Calendar 258 provides for all veterinary inspectors in U. S. Bureau of Animal Industry, entrance salary \$1,400 per annum, with \$100 annual increase until salary is \$2,400. This bill will be reached for vote during short session of Congress next winter. Approximately 1,250 Bureau Veterinarians affected, many being members of your association; now appeal to your association for financial aid in boosting Lobeck Bill."

DR. MAYO: I move that the communication from Dr. Walkley be referred to the executive committee.

DR. HOSKINS: I second the motion.

THE PRESIDENT: You have heard the motion. Are you ready for the question? All those in favor of referring this matter to the executive committee will signify it by saying "Aye". Contrary minded, "No". The "Ayes" have it, and it is so ordered.

Is the committee on the Salmon Memorial ready to complete its report?

DR. HOSKINS: There was called for yesterday some specific recommendation as to how this money was going to be utilized. That was offered at Oakland a year ago in the following language, and was accepted and indorsed by the association at Oakland:

First, that the Salmon Memorial Fund shall be undertaken by this body and that a stated committee will be appointed by this organization for the carrying out of the purpose of this movement.

Second, that the form of testimonial shall be of an educational character, that may cover a scholarship, a fellowship, or some advanced or special work

of interest or import to the veterinary profession, as may from time to time be recommended by this committee for action of the association.

Third, that to this end a sum of money not less than ten thousand dollars be raised by popular subscription from the upwards of seventeen thousand veterinarians in North America; this money to be invested under the direction of this association so that the income of four or five hundred dollars may be annually awarded to some one or more along the lines above referred to.

Fourth, that said scholarship or fellowship shall be in an American Veterinary College, and if a fellowship, not to be taken in the college of which the successful person awarded the same shall be a graduate thereof.

These were offered at Oakland, and were approved by the association. I do not know whether there is any need to go further than that, because the time is not ripe yet as to just how we shall reach the decision in the selection of these men. That is a matter for you to think about when the fund is completed, or by the time that the fund is completed.

I did not have the exact figures yesterday, but there is a total of \$3,007.00. the contributions have been as follows: from New York, \$382; from Pennsylvania, \$298; from Massachusetts, \$209; from Michigan, \$190; from Illinois, \$150; from Ohio, \$135; from New Jersey, \$131; from the District of Columbia, \$120; from Wisconsin, \$106; from Virginia, \$51; from Canada, \$26; from Louisiana, \$25; from Minnesota, \$25; from Missouri, \$25; from Washington, \$25; from Mississippi, \$20; from Connecticut, \$71; from Iowa, \$131; from Maine, \$5; from South Carolina, \$5; and then one special subscription of \$800; making a total of about \$3,007.

THE PRESIDENT: What will you do with the report of the committee on the Salmon Memorial?

DR. QUITMAN: I move that it be accepted.

DR. MAYO: I second the motion.

THE PRESIDENT: It has been regularly moved and seconded that the report of the committee on the Salmon Memorial be accepted. All those in favor will signify it by saying "Aye". Contrary minded, "No". The "Ayes" have it, and it is so ordered.

We are now ready for the report of the committee on selection of emblem. Dr. Otis A. Longley is chairman of that committee, but he is not here. Dr. Campbell, I think, has the data. Are you ready to report, Dr. Campbell?

DR. CAMPBELL: Most of that data is in the hands of Dr. White. He will be here. I could not give you a complete report at this time. I think if you take it up a little later, it will be better.

THE PRESIDENT: We will defer the report for the time being.

DR. CAMPBELL: The report has been prepared, but it is in the hands of Dr. White.

THE PRESIDENT: Then if there is no objection, we will defer the report on this matter until later. The next is the report of the International Tuberculosis Commission. Dr. J. G. Rutherford is the chairman of that committee.

DR. J. G. RUTHERFORD: Our report is not ready as yet. We hope to be able to present it tomorrow.

THE PRESIDENT: I fear you will not have an opportunity to present it tomorrow. As I understand it, the program provides that tomorrow will be devoted to the section meetings, and we will not meet in joint assembly. The only opportunity you will have to submit the report would be on Thursday evening.

DR. RUTHERFORD: We have not met yet. Our meeting is set for this afternoon. It is rather a difficult thing to get the members of this committee together, because they are not all members of the association.

THE PRESIDENT: Might it not be possible to get the report before the association this afternoon?

DR. RUTHERFORD: No, I am afraid not.

THE PRESIDENT: The next is the report of the committee on Journal, of which Dr. Torrance is chairman. Are you ready to report, Doctor?

(Dr. F. Torrance here read the report of the Committee on Journal.) (See Journal of December 1916).

THE PRESIDENT: Gentlemen, you have heard the report of the committee on Journal. What will you do with it?

DR. HOSKINS: I move that it be received, and referred to the committee on publication.

DR. MAYO: I second the motion.

THE PRESIDENT: It has been regularly moved and seconded that we accept the report of the committee on Journal, and that it be referred to the committee on Journal publication. Are you ready for the question?

DR. MAYO: Is this a proper place to make a few remarks on this report now?

THE PRESIDENT: I see no objection.

DR. MAYO: It seems to me that this is a very important problem for the association to consider. I feel it so because it was a favorite plan of mine, and I was very much interested in seeing it carried to a success. I think we owe a great deal to Dr. Fish for the work he has done this past year.

The point I wish to emphasize, or bring home to every one of you is that this Journal is your Journal. It is not the Journal of any one individual, and its success will depend very largely upon the support and the assistance that you give to the editor, in making it the Journal that we want it to be.

I think that every member of this association should feel it his duty to furnish brief case reports and practical things that every practitioner is interested in, and that appeal to him in his every-day work, and to send this to the editor of the Journal. He cannot get those facts himself; they must come from the men in the field, and every one of you should make a special effort along this line to help make this Journal as useful to every individual member of this association as possible.

Another thing: We ought to double the subscription list of this Journal during the next year. I think every member of this association ought to make a pledge to himself and to the association that he will get at least one new member, outside of the membership of the association; get a member for the association if he can; but if he cannot, to get a subscriber to the Journal out-

side of the association. This means a good deal to the association in a financial way. You have just heard this report and know now that instead of expending four or five thousand dollars for the publishing of the proceedings of this association, as they have in years gone by, that we have published them, and we have had a monthly Journal, and a good Journal, and we have a little money to the good.

If this association is going to do the work that it ought to do in all lines, it must have money to do it with; and here is a good place for you to help us to increase this Journal; help further the work of the association in all lines, and help to make it a representative Journal of this great association, that will be recognized, as the committee has said, outside of this country, as one of the leading veterinary Journals of the world. It is up to you to help do this. Dr. Fish is doing his work nobly.

THE PRESIDENT: Are there any further remarks? The question is on the acceptance of this report.

DR. MURPHEY: I would like to know whether the acceptance of this report means the adoption of the recommendations of the committee?

THE PRESIDENT: No; they will have to be taken up later in the meeting. All those in favor of the motion will signify the same by saying "Aye". Contrary minded, "No". The "Ayes" have it, and it is so ordered.

DR. HOSKINS: I move that the recommendation of the committee that the association charge itself with the expense of sending the Journal to honorary members be adopted.

DR. MAYO: I second the motion.

THE PRESIDENT: Are you ready for the question? All those in favor of the motion will signify the same by saying "Aye". Contrary minded, "No". The "Ayes" have it, and it will be so ordered. What is next?

DR. HOSKINS: I move that we accept the recommendation of the committee that those who are on the honor roll shall pay the annual subscription fee for the Journal.

The motion was seconded.

THE PRESIDENT: You have heard the motion. What is your pleasure in regard to it? Are you ready for the question?

DR. QUITMAN: What is the subscription?

THE PRESIDENT: Three dollars per year.

DR. QUITMAN: Do the dues remain at three dollars?

DR. HOSKINS: The honor roll members do not pay anything.

DR. QUITMAN: I understand that if they want the Journal it is at their discretion.

THE PRESIDENT: You have heard the motion that the honor roll members be required to pay the regular subscription price for the Journal. All those in favor of the motion will signify the same by saying "Aye". Contrary minded, "No". The "Ayes" have it, and it is so ordered.

DR. HOSKINS: I move that the recommendation that seventy-five dollars per month be allowed for clerical expenses in connection with the office of the editor be approved.

THE PRESIDENT: That is in addition to the salary?

DR. HOSKINS: Yes.

THE PRESIDENT: Do I hear a second?

The motion was seconded.

THE PRESIDENT: Are you ready for the question? The motion is that we allow seventy-five dollars a month to pay the office expenses of the editor. All those in favor of this motion will signify the same by saying "Aye". Contrary minded, "No". The "Ayes" have it, and it is so ordered. Are there any further recommendations of this committee we should act upon?

DR. MURPHEY: I move that a recommendation allowing fifty reprints to be furnished contributors be adopted.

THE PRESIDENT: Do I hear a second to that motion?

The motion was thereupon seconded.

THE PRESIDENT: You have heard the motion. Are you ready for the question? That fifty reprints be allowed the contributor of original articles, and for any number after that they will have to pay the regular cost. All those in favor of that motion will signify the same by saying "Aye". Those contrary minded, "No". The "Ayes" have it, and it is so ordered. Are there any further recommendations, Dr. Torrance?

DR. TORRANCE: No, I think that is all.

THE PRESIDENT: The next in order on the program is the report of the committee on advertisements of veterinary remedies.

DR. M. JACOB: That committee is not ready to report.

THE PRESIDENT: The next is the report of the special committee on agricultural colleges investigation. Dr. F. B. Hadley is the chairman of this committee. Are you ready to report, Dr. Hadley?

DR. F. B. HADLEY: The report which I will read now is the report of the committee on agricultural college education. It is a special committee appointed by this association some years ago.

(The report was read by Dr. Hadley). (See Journal.)

THE PRESIDENT: What is your pleasure in regard to this report?

DR. HOSKINS: I move that the report be received and referred to the Journal.

DR. HIGGINS: I second the motion.

THE PRESIDENT: It has been regularly moved and seconded that the report be received and referred to the Journal. All those in favor of the motion will signify the same by saying "Aye". Contrary minded, "No". The "Ayes" have it, and it is so ordered.

DR. POTTER: I think this is a good time in connection with this report to bring forward a few points. That is, the credit which is allowed agricultural graduates when they enter veterinary colleges. As I understand it, they are allowed one year's credit, that is, the first year's credit. I think that is a great mistake. From my own experience in entering veterinary work, and from observation of students who have entered veterinary colleges on one year's credit, they do not get the foundation of their veterinary training which is

essential. They need more than anything else the training in anatomy, physiology, bacteriology and such subjects which are usually given in the first year. If they are allowed those things to begin with, they go through the course with an inadequate preparation. I believe that this practice should be discontinued, and if it is necessary to give them credit, give them credit in animal husbandry, milk inspection and agricultural bacteriology, and things of that kind in which they are proficient, but make them get in the very beginning those things which are essential.

THE PRESIDENT: Are there any further remarks on this subject?

DR. HADLEY: The remarks made by Dr. Potter just now are certainly to be commended, but they have nothing in particular to do with this report. I should like to hear the recommendations which our committee has made discussed. They have to do with agricultural students, and not with students who want to take a thorough course, because there isn't one out of a hundred that does that. The question is, are we satisfied with the character of the work as recommended for agricultural students?

THE PRESIDENT: Is there any further discussion on this report? If not, I will refer back and call upon the committee on emblem, as I understand that Dr. Campbell is now ready to make a report.

DR. T. F. KREY: Will you pardon me, if I make an announcement or two here?

THE PRESIDENT: Dr. Krey has some announcements to make. Will you give him your attention, Gentlemen?

(Dr. Krey made announcement as to the official photograph; securing tickets for the banquet and various meetings of the alumni of different colleges.)

THE PRESIDENT: We will now hear from Dr. Campbell in regard to the emblem. (Published in the Journal, November, 1916).

THE PRESIDENT: You have heard the report of the committee on emblem. What is your pleasure?

DR. MARSHALL: I move that the report be received.

DR. HOSKINS: I second the motion.

DR. MARSHALL: Be received and referred to the executive committee.

THE PRESIDENT: It has been regularly moved and seconded that this report be received and referred to the executive committee. All those in favor of the motion will signify the same by saying "Aye". Those contrary minded, "No". The "Ayes" have it, and it is so ordered.

DR. S. STEWART: Mr. President, may I make an announcement here?

THE PRESIDENT: Certainly, Dr. Stewart.

DR. STEWART: I have an announcement to make to those who are interested in the State Examining Boards and Faculty meeting. The meeting adjourned to meet at the call of the president, and the call to meet is given for Wednesday afternoon, at five o'clock. The meeting place will be in Parlor Henri II. This parlor is around the end of the passageway as you go out. Kindly remember, Wednesday afternoon, at five o'clock.

THE PRESIDENT: The next to be heard from is the committee on glanders, Dr. E. B. Ackerman, chairman.

DR. MAYO: Before that is taken up, I would like to present a short matter to the association, at the request of Secretary Haring, which is quite closely associated with the Red Cross emblem. It will take but a moment.

THE PRESIDENT: If there is no objection, that will be the order. Proceed, Dr. Mayo.

DR. MAYO: At the meeting of the Missouri Valley Veterinary Association in Kansas City last winter, Dr. R. Vans Agnew of the United States Army Veterinary Service brought the subject to the attention of the Missouri Valley Association, and the following resolution was adopted:

"Report of the Special Committee on Army Veterinary Service: In view of the difficulties experienced by and to facilitate the work of the Quartermaster's Department of the United States Army, the Missouri Valley Veterinary Association recommends that the American Veterinary Medical Association prepare for the use of the Quartermaster General a list of qualified veterinarians available for army service in case of emergency; such a list to indicate the branch of the service for which the veterinarian is best adapted."

I would also say that I have some other correspondence from Dr. R. Vans Agnew in this connection. It has been the experience of the Quartermaster's Department of the United States Army, that in an emergency they were not able to get as well qualified veterinarians as they needed. They had to take anybody that turned up, and it is expected that this will be of valuable assistance to the Quartermaster to have this list of veterinarians recommended by this Association.

Dr. Vans Agnew says this will be a great step towards obtaining veterinary efficiency; for at the present we are top heavy, having only commissioned officers, and no enlisted strength.

I also have been in correspondence with Dr. Stillman, the President of the American Humane Association with regard to aiding animals in war. I would also state that there has been founded the American Red Star Animal Relief Association, a civilian association for the purpose of giving relief to animals in war. I have here a bulletin regarding it which I shall not read.

It has been the experience of the nations engaged in the present war that it is absolutely essential that civilian organizations shall be subservient to the military organization. There can be only one military organization, and it is necessary that the civilian association co-operate with that. It is impossible to have two different and separate associations working for the same cause. I have very little information as to what is in this correspondence, which I have not gone through, and I will ask Dr. Buckingham to say a word in regard to the details of this work with which he is familiar.

DR. BUCKINGHAM: Living in Washington, I naturally took an interest in what might be transpiring in the War Department in regard to this veterinary reserve list. I offered my services personally to the Chief of Personnel, Captain Saxton, who asked me if I would serve on the Remount Staff work for

a short time, to which I consented. I did not altogether care to serve in that capacity, so I asked the Captain how about the veterinary reserve list. "Oh," he said, "We are so busy that we will not get to that for a year." I said, "Have you a list of veterinarians who have already offered their services?" He said, "Yes; it is on file, but I have not tackled that as yet." He said, "We are very, very busy." That was true. He was busy.

My secretary in Washington happens in the day time to be the secretary to the Chief of the Recruiting Division in the War Department. He came to my office one night to do some work, about ten o'clock, having worked all day, slipped out for his dinner, and gone back to the War Department to work. I said, "What is the matter with you? You look depressed." He said, "There have been telegrams on my chief's desk since last Thursday", and this was Tuesday. He said, "Those telegrams concern the movement of regiment troops at various places throughout the states who expect to go to the border. Just think of it, Doctor; they have not been acted on for four or five days. It makes me feel humiliated." I said, "How many clerks have you in your office?" He said, "We only have five or six clerks to do the work of fifty or sixty." I said, "What is the matter?" He said, "Unless the President declares war, the chiefs of divisions and Secretary of War will not appoint extra clerks to do this tremendous amount of work." That is an accurate condition, or rather an accurate story of the conditions as they exist in the War Department at Washington.

After my short detail to the front on the Remount Staff, I was then called back to headquarters, and asked if I would go to the Department of the South, General Funston's headquarters. I said, "No; not as a veterinarian." They asked for my reasons, and I said, "I understand the chauffeurs of the trucks are paid one hundred dollars and given their lodging and their board. The contract veterinarian of the army today is given one hundred dollars a month, and nothing other than his transportation from place of hiring to place of work." "Well," they said, "We can readily see why a man of your age and experience, having had experience in the Spanish-American war, would not care to place himself in that position of being a similar employee as a chauffeur." He said, "Doctor, I can make you Quartermaster Corps Inspector. Will you accept that?" I said, "It isn't the matter of money, but I do not care for the humiliation that you place before veterinarians. How about this reserve list? Are you sure you haven't got that list right close at hand so that the veterinarians in Washington who are interested in the A.V.M.A. can act with the War Department as a personal board, and help you to pick out the right kind of men, the men who have the profession most at heart?" No, nothing could be done. A great many were already sent to the border, and more were being sent all the time.

I was curious to see the class of men that had been appointed. Therefore, I accepted the Quartermaster Corps Inspection position. I was sent to Fort Sam Houston. When I arrived there, of course, I felt that I would like to have the Captain Quartermaster, who was going to detail me, know just what I was in civilian life, so I gave him my professional card. He shook hands, and said, "Indeed I am glad to see you, doctor." He said, "We have had some men come down here professing to be veterinarians who could hardly write

their names." Men who could hardly write their names. Think of it! I said, "From where did they come, Captain?" He said, "From Washington." What would you think of that? He said, "I suppose they are political appointees, and they just worked in." "Yes," I replied, "They are men who could not make a living perhaps practicing their profession, and this concentration of troops at the border has given them a chance to get in. I am very sorry indeed. Are there many of those men here?" "He said, "There are." Of course, every man there wasn't of that kind.

There was a great quartermaster corral when I left there about a week ago. It carried 11,000 public animals. Dr. Gerald Griffin of the Regular Army, a veterinarian, is in charge, and under him are ten younger veterinarians. Horses are sent there from all over Texas and the bordering states which have been purchased by the board. They are kept for twenty-one days quarantine; put through the glanders test by these young veterinarians, under the charge of Dr. Griffin; and if everything is favorable, they are shipped out again in the course of twenty-one days.

The purchasing, which first called for about 47,000 animals for the Southern Department, is now about finished. There still remains about 10,000 animals there at the Quartermaster corral at Sam Houston. The work has gone along very well, but there have been a great many discharges among the veterinarians who have been unqualified men. The War Department has not at any time called on our men. Dr. Mohler and Dr. Turner, and others in Washington who are qualified to act as a personnel committee have been consulted, though. The Medical Corps has asked for some information which has been very gladly and cheerfully given. That is about the only assistance we have offered which has been accepted by the War Department. I have had to hold my head in shame at the class of men who have gone forward, especially down on the border.

After finishing with the inspection and purchase board, an outbreak of glanders was reported in the first New York Cavalry. It happened that Colonel Charles ———, the Colonel of the 1st New York Cavalry was my superior officer on this purchase board, and right away he said to me, "I am retiring now, doctor, but I know you after five weeks of close contact, and I am going to impress you into the service, and get General Funston and the Quartermaster to send you down there to investigate glanders. I have two young men whom I know nothing about. They were examined by my officers." "Examined by my officers,"—note that. And he said, "They were taken in as veterinarians." Now, this was the crack cavalry troop of the New York Militia.

I arrived at Fort McAllen on Saturday afternoon. The day before, four horses had been killed, supposed to have been suffering from glanders. The diagnostic symptoms were nasal hemorrhage and general cachexia. There had been an irritating conjunctivitis, but the ocular test had been more or less massed; and the young men had made their diagnosis positive by the characteristic reaction. The animals were posted, but they were buried so deep that I was not able to resurrect them and have another look. The next morning at breakfast, another horse was reported dead with the characteristic symptoms supposedly of glanders. I said, "Now, Gentlemen, we will hold a post mortem." I said "Get your instruments, please, as you will go along to as-

sist." They said, "Why, doctor, we haven't any instruments. The only instrument we have is this dissecting scalpel." Just think of it! Nine hundred horses in the 1st New York Cavalry, and the veterinarian only supplied with a little scalpel. They had a few medicines which they had brought through from New York, but nothing, absolutely nothing had been furnished in the five weeks they had been there by the depot quartermaster at Sam Houston; no instruments at all. However, we did hold the post mortem, and all we found was the pneumococcus; microscopically there were no lesions of glanders whatsoever. This animal had not been posted for glanders at all, so I turned to the young men and said, "Gentlemen, I cannot confirm your diagnosis of the previous days on this examination; you could hardly expect me to." I turned in a pneumonia report to the Colonel and the headquarters at Sam Houston, saying that there was no glanders as far as could be determined by post mortem examination in the camp of the 1st New York Cavalry.

I then looked over the medical supply list, the veterinary supply list, and the instrument list. The Colonel excused me, and I went right back to Sam Houston, went to the Quartermaster's storehouse, drew all the instruments that were necessary; likewise two great big chests of drugs. They are now in place, and being used. But in this list of supplies, there were but two of the double action injection pumps; large pumps that would be so necessary for use in the treatment of sand clots which are quite common on the border, due to the horses eating off the ground and taking up so much sand in their food. There were very, very few surgical implements, and the list was generally a very meagre one. I asked the storkeeper, "Have you no regular list of what is allowed the regular regiment cavalry?" He said, "No, not here." He said, "I wish you would talk to the Captain Quartermaster and see if you can't make up a list." I said, "No, I will not. I have done that before. I was paid quite a neat sum for writing a veterinary supply list for the army just after the Spanish-American war. I don't write any more of them unless I am really an officer, because my list was revised by two young West Pointers, who went right back to the old status and none of the new drugs were accepted that we had suggested," I had an army veterinarian help me on that list, and I was sure it was a good one.

That is a true condition of affairs as they exist at the border. They are not well supplied with veterinarians of our own class; they are young men who have slipped in as political appointees. The contract veterinarians are receiving less than the Packard chauffeurs, and altogether the condition is one that calls for attention. Tomorrow afternoon I believe the remount service is going to be discussed, and at that time I will take it up more in detail.

THE PRESIDENT: The secretary has an announcement to make.

DR. MAYO: Pardon me, Mr. President, I would like to move that the resolution be referred to the executive committee; the resolution which I presented.

DR. HOSKINS: I second the motion.

DR. CAMPBELL: What was the resolution, Mr. President?

DR. MAYO: The resolution was that the American Veterinary Medical Association be requested to furnish to the Quartermaster's department of the

Army a list of veterinarians who would be eligible for army service in case of an emergency in the branch of the service to which they are best adapted.

DR. BUCKINGHAM: I want to second that motion, Mr. President.

THE PRESIDENT: The motion has been seconded. Are you ready for the question?

DR. TURNER: Before the motion is put, I would like to make the statement that this condition of affairs stated by Dr. Buckingham, and brought out by Dr. R. Vans Agnew is absolutely obsolete from now on. We are going to have a reserve of army commissioned veterinarians within a month or two. We won't be the quartermaster's employees any more. We won't be political free agents. We are going to be officers and veterinarians in the United States Army. I want to appeal to you men of this association who are present here this morning, to get some enthusiasm among the younger veterinarians in your districts under the age of 27 who have a properly thought-out and a proper conception of the military veterinary work. I was rather surprised that so few young veterinarians of America took the examination last month. They were not aware of the conditions which now exist in the army, thanks to our good friend Hoskins and Bolser and the other old warriors who have been fighting for fifteen or twenty years.

Another one I saw from Cleveland, Ohio, said that veterinary schools have been asking their men not to take up army service, and very correctly; but, gentlemen, all this condition is changed today. Dr. Mayo's resolution should be out of order, because there will be no more quartermaster's veterinarians. After this examination is corrected by Dr. Griffin of the Medical Board, there will be a list of reserve veterinarians from which those gentlemen passing the high examination will be drawn into the regular service. Therefore, we will not be humiliated any longer by this quartermaster and that quartermaster, through the influence of this senator and that representative, picking up tramps from all over the country and throwing them promiscuously into the army veterinary work as they have been doing for thirty or forty years. From this time on we will have regularly commissioned lieutenants attached to the medical department of the United States Army, and by that great department assigned to duty in the quartermaster's department, in the cavalry, in the artillery and at the mounted service schools. This action is unnecessary. Dr. Vans Agnew had a proper conception of the conditions and the requirements at the time this was written; but as I say this bill passing Congress, this examination held last month throws it all into the background; it is unnecessary, and we will not be humiliated any longer by any such conditions. Within a month or so we will have a properly constructed and properly organized veterinary corps in the medical department, not what we want, gentlemen, but we had to take the best we could get. I have no doubt that the high morale existing in the medical department of the United States Army will be reflected by the veterinary service. I have no doubt at all but that this branch of our service, which is the best educated branch of our military service, the best organized, I dare say, will take the veterinary service in hand and straighten it out and bring it up to its own high level. I have the highest opinion, of the prospects in view of this new veterinary organization which will be in our

army. I think myself that instead of having a few applicants, as we had last month, that the next examination, which will probably be held this fall, should draw the very best element of our young men into the army, so that we can prove to the army, as we have been stating to them for thirty or forty years, that we really have good veterinarians in this country, who will make proper commissioned officers.

Therefore, I move that the resolution be floored.

DR. MAYO: Mr. President, I think it would be better to refer this to the executive committee and let them kill it.

THE PRESIDENT: The question is on referring the resolution to the executive committee; are you ready for the question?

DR. HOSKINS: I would like to make one statement that Dr. Turner overlooked and that is, that before the present congress adjourns the age limit will be extended from twenty-seven to thirty. I am sure that that will undoubtedly pass so that men may take the examination up to the age of thirty.

SECRETARY HARING: I would like to explain that your secretary has written many letters to Washington to the War Department, to the Surgeon General, even to the Civil Service Commission, and to the Adjutant General, Quartermaster's Department to get this information which we have just received this morning. Usually I received no reply; lately I have been receiving letters stating that the matter has been referred to the Surgeon General. Just before starting to this meeting I received a letter from the Surgeon General stating that my inquiry had been received and that the information was being prepared and would be printed and a pamphlet would be sent out in due time. I regret very much that we haven't had this information before, because a great many inquiries come into the secretary's office concerning army veterinary matters.

Here is an announcement: The Alumni of the University of Pennsylvania will meet at dinner tonight at 6:30 at the Alt Heidelberg Cafe, 25 Broadway. Those who intend to be present will please notify Dr. States, Dr. Marshall or Dr. Klein by 2 P. M.

DR. ———: I want to make an announcement to all Ontario graduates, that there will be a meeting of the graduates of the Ontario Veterinary College Graduates in the Henri II room at 9:00 P. M. We want every graduate of the Ontario Veterinary College at that meeting if it is possible. There is something of importance that we want to bring up.

THE PRESIDENT: Gentlemen, will you listen to the report of the glanders committee, of which Dr. E. B. Ackerman was chairman.

DR. CHARLES E. COTTON: Mr. President, the chairman of the glanders committee, Dr. Ackerman, is not present, and the members of the committee have requested me to read the report.

(Dr. Cotton read the report.) (See Journal).

THE PRESIDENT: Gentlemen, what is your pleasure?

DR. HOSKINS: I move that the report be accepted.

DR. QUITMAN: I would like to ask Dr. Cotton a question. I may have misunderstood him, but do you say the same brush or cotton swab would be used on a number of horses without—

DR. COTTON: In the same stable.

DR. QUITMAN: I understand that, but without any treatment of it?

DR. COTTON: I think so, yes, sir.

DR. QUITMAN: Personally I would like to see you strike that out of your report, Doctor, it is not ordinary cleanliness, let alone hygienic or safe. I think that should be stricken out of your report. This will go in print, and personally I would hate to have some of my medical friends read that. Don't you think so, Doctor, on second thought?

DR. COTTON: This is the report of the committee.

DR. QUITMAN: I understand that, Doctor, and I don't care who may back it up; it is not ordinary cleanliness. With absorbent cotton one can use swab sticks which you can procure all the way from thirty-five to sixty-five cents per thousand. You can put a little piece of absorbent cotton on them or use sterile gauze upon them, between that and your fingers if you are in a stable where you cannot sterilize your hands and you can go ahead then and test a thousand horses and the cost of swab sticks will not be over a dollar all told. There is no good sense for using the same camel's hair brush or the same swab sticks. It is not scientific.

DR. REICHEL: I would like to refer back to that portion of the report (reads report).

THE PRESIDENT: The question is on the acceptance of this report.

DR. QUITMAN: I move that it be accepted with that exception.

THE PRESIDENT: You make that as an amendment?

DR. QUITMAN: I think the suggestion ought to be considered.

DR. HOSKINS: I move that the report be received and referred to the committee on Journal for publication.

The motion was seconded.

DR. QUITMAN: With the exception?

DR. HOSKINS: I am not excepting anything.

THE PRESIDENT: It has been regularly moved and seconded that this report be received and referred to the committee on Journal for publication. All those in favor of the motion signify the same by saying "Aye". Contrary minded, "No". The "Ayes" have it, and it is so ordered.

Gentlemen, what is your pleasure with regard to continuing this session?

DR. HIGGINS: I move that we adjourn.

THE PRESIDENT: It is twenty minutes to one o'clock and we have one more item on the program.

DR. HOSKINS: I move that we adjourn till two o'clock.

THE PRESIDENT: We have a big afternoon's work to perform and in order to perform it we must get at it sharply at two o'clock. So try and be here on time if you can.

DR. COTTON: Wouldn't it be perfectly proper to accept this report and discharge your committee?

THE PRESIDENT: I don't think so. The chair will entertain a motion to adjourn.

DR. HOSKINS: I move that we adjourn to meet at two o'clock.

This was seconded and on being put to a vote prevailed and the adjournment was ordered.

Thursday, August 24, 1916, 8:30 P. M.

Hotel Statler Ball Room.

(The meeting was called to order with President R. A. Archibald in the chair.)

THE PRESIDENT: Will you please come to order? We have a great deal of work to do, and I will ask your assistance in expediting matters.

I will ask first, for the report of the executive committee. The chairman is not here, the secretary will make a report.

THE SECRETARY: The executive committee recommends an amount not to exceed \$100 to be appropriated by the American Veterinary Medical Association to defray expenses of the association faculties and examining boards.

The matter now to be brought up consists of a list of names, recommendations for appropriations, charges against the members of the association, and a miscellaneous lot of material, which would not make very smooth reading, and I would suggest—

DR. HOSKINS: I move that the recommendation of the executive committee, appropriating \$100 for the association of faculties and examining boards, be approved.

THE PRESIDENT: It has been moved that the recommendation of the executive committee in this respect be approved. Do I hear a second?

A VOICE: I second the motion.

THE PRESIDENT: All those in favor of this motion will signify the same by saying "Aye". Those contrary minded, "No". (The motion prevailed.)

THE SECRETARY: The executive committee recommends the payment of a bill of \$120.80 submitted by the committee on reorganization, and consists of one-half of the railroad fare, and a portion of their hotel bill, also a bill for stenographic assistance amounting to \$3.50.

DR. HOSKINS: I move that we approve the recommendation.

A VOICE: I second the motion.

THE PRESIDENT: It has been moved and seconded that the recommendation of the executive committee be adopted. Are you ready for the question? All those in favor of the motion will signify it by saying "Aye". Contrary minded, "No". The "Ayes" have it, and it is so ordered.

THE SECRETARY: The executive committee recommends the election of the following applicants for membership.

(A list of names was read by the secretary.)

DR. HOSKINS: I move that we accept the proposed names for membership, suspend the rules and have the secretary cast the ballot of the association.

DR. ———: I second the motion.

THE PRESIDENT: It is regularly moved that we suspend the rules and elect these applicants to regular membership, and that the secretary be instructed to cast the ballot. You have heard the motion. Are you ready for the question?

All those in favor of the motion as stated will signify it by saying "Aye". Contrary minded, "No". The "Ayes" have it, and it is so ordered.

Dr. Marshall, will you continue the report, please?

DR. MARSHALL: The executive committee reports the expulsion of J. Harvey Slater of Charlestown, Illinois, now of Kansas City, Missouri, the charge being unprofessional ethics. The advertisement submitted here is evidence, "Learn to Vaccinate your own hogs". I will read the advertisement.

DR. J. HARVEY SLATER: Is it necessary for the committee to read that? They have all read it, I presume, and this is taking up time.

THE PRESIDENT: Does any one of the members present desire to hear this advertisement read?

VOICES: Yes, yes, yes.

THE PRESIDENT: It is so ordered. Proceed.

DR. MARSHALL: (Reading): "Learn to vaccinate your own hogs. We manufacture hog cholera serum, and operate under government supervision; sell it direct to the farmers and teach them to vaccinate free; costs 22 cents to make your pigs permanently immune; 100 pounds cost 42 cents. Syringes supplied at wholesale price. Will vaccinate your hogs under written guarantee to be immune for one year. Have your banker write Southwestern National Bank of Commerce of Kansas City, Missouri, to ascertain if we are financially responsible. If not convenient to pay cash, we will take your note at 6 per cent. Listen to this offer. We will vaccinate twelve shoats free, if the owner will put three of them with sick hogs on various farms where cholera exists, sleep and eat and run with sick hogs, and if they die we will pay for them. Slater Serum Company, Kansas City, Kansas. U. S. Veterinary License Number 93. Write for free booklets, list of satisfied users, and copy of guarantee, branch 6, address Dr. J. Harvey Slater, Lock Box 122, Charlestown, Illinois." There is a similar ad. in the paper called the Marshall Herald, Marshall, Illinois, of Wednesday, March 29th, 1916.

DR. HOSKINS: I move that we receive the recommendation of the executive committee.

DR. ———: I second the motion.

THE PRESIDENT: It has been regularly moved that the recommendation of the executive committee in regard to this case be adopted. This motion has been seconded.

DR. R. C. MOORE: I do not believe there is a man in this house who regrets the actions of Dr. Slater more than I do. I have known the doctor for a good many years. He has been an exceptional member of our Western Association, and the Middle West Association, and up to this time I have never heard a word of complaint against him from a professional standpoint. Dr. Slater tells me that he has been misled, and did this matter without due con-

sideration; and that he has asked the association to give him a year's time, to show that he will completely withdraw from all such conduct in every way, shape and form; and if at the end of a year he is not entirely acceptable, he will make no objection to his expulsion.

I am not making any fight in this matter, but I am simply stating what Dr. Slater has told me, and because we have recognized him as being a worthy member of the profession in the past. We all make mistakes. I believe if the association sees fit to extend to him this clemency he will make good.

DR. J. HARVEY SLATER: I admit that I have erred against the code of ethics in this association. I feel keenly the humiliation. I ask for a suspension in this case, that it be for a year.

THE PRESIDENT: Gentlemen, is there any further discussion on this matter? The matter or the question to adopt the recommendation of the executive committee.

DR. S. STEWART: This association has tried a considerable number of men in the past for violation of the code of ethics. Most of the trials have not been made public, because the individuals have seen their error, acknowledged it, and stated that they would rectify the error, and abide by the code. This man, I believe, understands his error and will do that. The doctor acknowledges his error and promises to rectify it as far as possible, to rectify his violation of the code, and to immediately cease if we shall suspend judgment in his case for a year; and he hopes during all of that time, and thereafter to confine his living absolutely up to the spirit of the code, as well as the letter. I believe that it would be wise to accept his acknowledgement, and give him this chance to prove his desire to be a good member.

DR. HILTY: I did not understand whether the man promised to quit selling the serum direct to the farmer or not.

THE PRESIDENT: Do you care to answer that question, Dr. Slater?

(Dr. A. F. Nelson of Indianapolis, Indiana, spoke in favor of adopting the recommendation of the executive committee.)

DR. HUGHES: I wish to ask whether this man is willing to make an humble and abject apology to the members of the executive committee for his conduct while in attendance at the meeting.

DR. SLATER: I am willing to apologize to the executive committee. I felt that this case was being railroaded, but any errors that I have made, I am willing to admit, and apologize for any misconduct on my part.

THE PRESIDENT: Is there any further discussion?

DR. HILTY: My question has not been answered.

THE PRESIDENT: What was the question?

DR. HILTY: As to selling serum direct to the farmer.

THE PRESIDENT: I understand he has already said so, but if you would rather have him make a direct answer to the question, I will propound it to him. Will you please answer the question, Doctor?

DR. SLATER: Yes sir, I will agree to that, yes sir.

THE PRESIDENT: Does that satisfy you, Dr. Hilty?

DR. HILTY: Yes.

DR. SLATER: But in answering that question, I cannot speak for the Slater Serum Company. It is for myself I am speaking.

THE PRESIDENT: I will have to put the question. Are you ready for the question? All those in favor of the motion, that the recommendation of the executive committee be adopted signify it by saying "Aye". Contrary minded, "No". The "Ayes" have it, and it is so ordered. What is next?

DR. MARSHALL: The next is that we recommend in view of the fact that there is a committee considering reorganization to report at this meeting, that all amendments to by-laws shall await the report of the committee.

DR. HOSKINS: I move that we approve the recommendation of the executive committee.

THE PRESIDENT: It has been regularly moved and seconded that the recommendation be adopted. Are you ready for the question? All those in favor of the question will signify it by saying "Aye".

DR. STEWART: Pardon me, Mr. President, but I didn't quite hear that recommendation.

THE PRESIDENT: Will you repeat the recommendation, Dr. Marshall?

DR. MARSHALL: In view of the fact that there is a committee considering reorganization to report at this meeting, that all amendments of by-laws shall await the report of that committee.

DR. R. C. MOORE: Do I understand that we are to have the report of the reorganization committee?

VOICES: Question, question.

THE PRESIDENT: All those in favor of the motion will signify it by saying "Aye". Those contrary minded, "No". The "Ayes" have it, and it is so ordered.

DR. MARSHALL: We have here copies of the constitution and by-laws of the proposed reorganization.

THE PRESIDENT: Is Dr. Wilson here?

DR. WILSON: Yes sir.

THE PRESIDENT: Gentlemen, Dr. Wilson has an announcement to make in regard to the clinic tomorrow.

DR. WILSON: Gentlemen, I would like to say a few words with regard to the clinic. We would like to begin our clinic at about 9:30 sharp, in the morning. There are a good many members who are planning to go away early in the afternoon, and I would like to see the clinic started as closely around 9:30 as possible, and if we get there about that time we will be through in ample time for those to take trains home. The clinic will be held at Dr. Brenton's Hospital at 121 West Alexandrine street. You take the Woodward car; walk one block east of the hotel, get on the Woodward car and get off at Alexandrine street, and walk about a block and a half west. We have a good assortment of cases, and everything is in readiness for the work. So, be sure and be on hand at 9:30 tomorrow morning at Dr. Brenton's Hospital at 121 West Alexandrine street.

THE PRESIDENT: Is the committee on veterinary nomenclature ready to report? There was a report of the committee held over from Tuesday. Is Dr. Sisson here? Is any member of that committee present? Is Dr. Newsom here?

DR. NEWSOM: That report was made out and signed by the members and mailed to the secretary. It should be among his records.

THE PRESIDENT: Do you wish it read, doctor?

DR. NEWSOM: It ought to be read. It is very short.

THE PRESIDENT: Perhaps, you being more or less familiar with it, Dr. Newsom, you might relieve the secretary of the necessity of reading it.

DR. NEWSOM: The report, which as I stated, was mailed to the secretary and signed by the members of the committee, seems to have been lost. It was very short, and simply stated the work of the committee having been practically all finished, there was very little for the committee to do during the past year. The first half of the names submitted were published, as you know, two or three years ago in the proceedings of the association of that year. The second half of the names were presented two years ago, I believe, and have so far not been published. Consequently, it seems impossible to pass upon those names, because those who are in position to criticise them have not had the opportunity of doing it. This report simply pointed out that some means ought to be devised of publishing this list, so that sometime in the future, preferably early, the association could act upon the names.

THE PRESIDENT: What is your pleasure with regard to this partial report? I suppose it is not necessary to take any action upon it.

DR. HOSKINS: I move that it be received.

(The motion was seconded.)

THE PRESIDENT: It is regularly moved and seconded that the partial report of the committee on veterinary nomenclature be received. All those in favor of the motion will signify it by saying "Aye". Contrary minded, "No". The "Ayes" have it, and it is so ordered.

I want to re-open under the head of the report of the executive committee, as the secretary has one or two matters to take up. If you have no objection, I will call upon the secretary.

THE SECRETARY. I have another list of names of applicants recommended for election to the association. In explanation of why this was not presented a moment ago, I would say that they were in the hands of the stenographer, and were just turned over to me.

(The list of names was read by the secretary.)

THE PRESIDENT: What is your pleasure, gentlemen?

DR. HOSKINS: I move that the recommendation be accepted, that we suspend the rules, and that the secretary be instructed to cast the ballot.

(The motion was seconded.)

THE PRESIDENT: It has been moved and seconded, that we suspend the rules, and that we proceed to elect these applicants whose names have just been read to active memberships, and that the secretary cast the ballot for

the same. Are you ready for the question? All those in favor of the motion will signify it by saying "Aye". Those contrary minded, "No". The "Ayes" have it, and it is so ordered. Is the finance committee ready to report?

DR. QUITMAN: Your committee on finance begs leave to report the following:

(Reads report of finance committee.) (See Journal).

THE PRESIDENT: What is your pleasure in regard to this splendid report?

DR. HOSKINS: I move that the report be received and referred to the Journal committee for publication.

(The motion was seconded.)

THE PRESIDENT: It has been moved and seconded that this report be received and referred to the Journal for publication. Are you ready for the question? All those in favor of the motion will signify by saying "Aye". Contrary minded, "No". The "Ayes" have it, and it is so ordered.

We will now listen to the report of the International Commission on Control of Bovine Tuberculosis. I understand that Dr. Rutherford is not here, but Dr. Reynolds will make the report.

DR. REYNOLDS: This is the report of the International Commission on Control of Bovine Tuberculosis. (See Journal, December 1916).

THE PRESIDENT: You have heard the report. What is your pleasure?

DR. HOSKINS: I move that the report be received and referred to the executive committee.

(The motion was seconded.)

THE PRESIDENT: The executive committee will probably not meet again.

DR. HOSKINS: Will not meet again?

THE PRESIDENT: Probably not.

DR. HOSKINS: The reason I wanted to make that motion was because they have made some suggestions.

THE PRESIDENT: However, I will put your motion.

DR. HOSKINS: Make it to the Journal committee, and then we can take it up.

THE PRESIDENT: That would be the better course.

DR. HOSKINS: Then I make an amendment to my motion to have it referred to the publication committee.

THE PRESIDENT: It has been moved and seconded that this report be received and referred to the Journal for publication. You have heard the motion. Are you ready for the question? All those in favor of the motion will signify it by saying "Aye". Contrary minded, "No". The "Ayes" have it, and it is so ordered.

This cleans up the part of the program which remained unfinished. We are now down to the regular program for the evening. Do you desire to take it up in its regular order, or do you desire to take up first the election of officers? The chair would like to be authorized.

DR. R. C. MOORE: There has been no movement made for disposing of the Commission on Bovine Tuberculosis. I move that the committee be continued.

THE PRESIDENT: Do I hear a second to that motion?

(The motion was seconded.)

THE PRESIDENT: It has been regularly moved and seconded that the International Commission on Bovine Tuberculosis be continued. Are you ready for the question?

DR. REYNOLDS: As it is?

THE PRESIDENT: I am not informed. Do you mean as it is at present constituted?

DR. REYNOLDS: I think perhaps, it should be explained to this association, for many of you may not quite understand how this work is done, that this proposed further work will be done entirely without cost to the association.

THE PRESIDENT: Are you ready for the question? All those in favor of the motion will signify it by saying "Aye". Contrary minded, "No". The "Ayes" have it, and it is so ordered.

DR. LYMAN: In view of the fact that there are several committees yet to report, and I judge that some of the reports will elicit considerable discussion; that this is liable to be a long, drawn-out meeting; that some of us, and I am one, will not find it possible to stay here until morning, I move you, sir, that the regular program be changed, and that we now proceed to the election of officers.

(This was seconded.)

THE PRESIDENT: It has been moved and seconded that the order of the program be changed, and that we now proceed to the election of officers. You have heard the motion. Are you ready for the question? All those in favor of the motion will signify it by saying "Aye". Contrary minded, "No". The "Ayes" have it, and it is so ordered.

The first item on our program then, gentlemen, will be the nomination and election of officers for the ensuing year. The nominations for president are in order.

DR. TORRANCE: I place in nomination a man who is very well known to all of us. He is a personal friend of a great many, and I am sure that he will carry the honor of president with great credit to the association. I beg to nominate Dr. Charles E. Cotton of Minneapolis.

THE PRESIDENT: Dr. Cotton has been nominated.

DR. WILLS: I desire to second the nomination of Dr. Cotton.

THE PRESIDENT: Are there any further nominations for president?

DR. R. C. MOORE: I move that the nominations be closed, the rules be suspended, and the secretary be instructed to cast the ballot of the association for Dr. Cotton as president.

(This was seconded by several members.)

THE PRESIDENT: It has been regularly moved and seconded that nominations for president be closed, and that the secretary be instructed to cast the ballot of the association for Dr. Cotton. Are you ready for the question. All those in favor of the motion will signify so by saying "Aye". Contrary minded, "No". The "Ayes" have it, and it is so ordered.

Mr. Secretary, will you please cast the ballot of the association for Dr. Cotton?

THE SECRETARY: The ballot is cast.

THE PRESIDENT: Nominations for vice-presidents are now in order. There are five to be elected.

DR. TURNER: I take great pleasure in nominating Dr. F. A. Bolser, of New Castle, Indiana. He has done a great deal for our association.

DR. ———: In seconding the nomination, I think it behooves us, for the work that Dr. Bolser has done on behalf of the association, that we take the same procedure, and I move that the nominations be closed and that we suspend the rules and nominate him by acclamation.

THE PRESIDENT: It has been customary to nominate all vice-presidents and vote on them at once. I think, unless the chair is authorized otherwise, that such will be the order.

DR. ———: I put that as a motion, and you know a motion is always in order, and I ask for a vote on that motion.

THE PRESIDENT: Do I hear a second to that motion? It is not seconded. Are there any further nominations?

DR. TURNER: I will second the motion.

THE PRESIDENT: But you made an original motion.

DR. ———: I wish to place in nomination Dr. Kinsley of Kansas City.

THE PRESIDENT: Dr. Kinsley has been placed in nomination.

DR. MARSHALL: I would like to place in nomination the name of Dr. Lester Howard of Boston, Massachusetts.

DR. EICHHORN: I would like to place in nomination the name of Dr. David E. Buckingham of Washington, D. C.

THE PRESIDENT: Are there any further nominations?

DR. WARD: I place in nomination Dr. Seymour Hadwen of Canada.

DR. HOSKINS: I would like to place in nomination the name of Dr. Heer of Wisconsin.

(This was seconded.)

DR. ———: I place in nomination the name of Dr. V. A. Moore, of New York.

DR. MOHLER: It has always been customary to nominate a member of the local arrangement committee. At this particular time, it would be impossible to nominate the chairman of this committee, on account of his having served this association in various capacities, only recently as president of this association. However, at this time I wish to place in nomination the name of Dr. George W. Dunphy, state veterinarian of Michigan.

THE PRESIDENT: Dr. Dunphy has been placed in nomination. Are there any further nominations?

DR. HOSKINS: I move that the nominations be closed.

(This was seconded by several members.)

THE PRESIDENT: It has been regularly moved and seconded that the nominations do now close. All in favor of the motion will signify it by saying "Aye". Contrary minded, "No". The "Ayes" have it, and it is so ordered. It is now necessary to appoint tellers. I will appoint Dr. Higgins, Dr. McKenna, and Dr. Reichel. I would ask the tellers to retire and proceed to get the ballots ready.

DR. R. C. MOORE: Mr. President, will you have stated on the board the names of these men, and the states from which they come?

THE PRESIDENT: I will ask the secretary to do that.
(This was done.)

DR. STEWART: Will you kindly have the names read?

DR. QUITMAN: What are the rules of voting, so far as respects the payment of dues? I think that attention should be called to that.

THE PRESIDENT: Have you any suggestions to make, Dr. Quitman? The chair would like advice on that matter.

DR. QUITMAN: What do the by-laws say? I do not know whether they are clear or not, but as a rule no one should be allowed to vote unless he has paid his dues.

DR. HOSKINS: I think if I observe the list correctly, we have one section of our country without a single candidate. That is the South. I would like to ask reconsideration of the motion to close the nominations, and ask that nominations be reopened.

DR. QUITMAN: I will second that motion.

THE PRESIDENT: It has been moved and seconded that we reconsider our action by which the nominations for vice-presidents were closed. Are you ready for the question? All those in favor of the motion will signify the same by saying "Aye". Contrary minded, "No". The "Ayes" have it, and it is carried.

VOICES: No, no.

THE PRESIDENT: The "Ayes" appear to have it.

DR. ———: I will ask for a division.

THE PRESIDENT: The "Ayes" have it, and it is so ordered. Are there further nominations?

DR. HOSKINS: I would like to offer the name of Dr. E. M. Ranck, of Mississippi.

THE PRESIDENT: Dr. E. M. Ranck has been nominated.

DR. TAIT S. BUTLER: I would like to place in nomination the name of Dr. G. A. Roberts of North Carolina.

DR. E. M. RANCK: I would like to withdraw my name, and move that the nominations be closed.

THE PRESIDENT: Dr. Ranck wants his name withdrawn. Are there any further nominations. Do I hear a second to the motion that the nominations be closed?

(The motion was seconded.)

THE PRESIDENT: It has been moved and seconded that the nominations be closed. Are you ready for the question? All those in favor of the motion will signify it by saying "Aye". Contrary minded, "No". The "Ayes" have it, and it is so ordered.

If you will give us your attention for the moment, I will have the secretary read the names and read them slowly, so that you will understand who has been nominated. It is unfortunate that the blackboard cannot be placed in a position where everyone can see it.

THE SECRETARY: (Reading from blackboard): Dr. F. A. Bolser, Indiana; Dr. A. T. Kinsley, Missouri; Dr. L. Howard, Massachusetts; Dr. David Buckingham, District of Columbia; Dr. S. Hadwen, British Columbia, Canada; Dr. T. J. Heer, Wisconsin; Dr. V. A. Moore, New York; Dr. G. W. Dunphy, Michigan, and Dr. G. A. Roberts, of North Carolina.

THE PRESIDENT: Will you please prepare your ballots, and I assume that the usual custom of depositing your ballots is the best possible to observe.

DR. HOSKINS: May I ask that Dr. Haring read them again?

THE PRESIDENT: Dr. Haring, will you please read them again? Some of the members evidently did not get them all.

(The names were again read by the secretary.)

THE PRESIDENT: I will ask that, in depositing your ballots, the various sections will come forward as they are divided in this room, and pass in single file by the platform here. I assume that no one will vote who has not a right to vote. The question has been asked, and I will answer it, we are required to elect five vice-presidents, and the custom has been that the five men who receive the highest votes will be elected. Unless there is objection, each man will pass in front of the tellers and the secretary will use his best judgment as to whether the man who is voting is a member in good standing or not. If that is not satisfactory, now is the time to make objections. The question has been asked whether newly elected members have the right to vote. I assume they have, and it is so ordered, unless objection is made.

A VOICE: Do we vote for one or five?

THE PRESIDENT: You can vote for as many as you want to up to five, from one to five. I wish to repeat the by-laws or the constitution require that we elect five vice-presidents. There are more than five nominated. To vote correctly, you should vote for five men. You are not compelled to vote for five, you can vote for one, two, three or four or five, just as you please. When the ballots are counted, the five men receiving the highest number of votes will be declared elected as vice-presidents of this association. Are you ready to vote?

DR. R. C. MOORE: I think the members should be made to vote for five. Suppose I vote for myself, and do not vote for any other nominees, my own ticket would be four times as much as the man who voted for five names. I think that every member should be compelled to vote for five members for vice-presidents.

THE PRESIDENT: I see no way of enforcing that, Dr. Moore.

DR. ———: I move that every ballot that does not contain the full five names be dropped out.

(This was seconded.)

DR. HOSKINS: I am opposed to that. If a member wants to vote for one man only, that is his privilege. The only ballots that you can throw out are those where a man has voted for six or more.

THE PRESIDENT: I will declare the motion out of order. Are you ready to vote?

DR. KLEIN: What arrangements are there for choosing the different vice-presidents? Who will be the first vice-president?

THE PRESIDENT: The man receiving the highest vote will be the first vice-president and so on. Are you ready to vote? If so, I will declare the ballot open for voting.

VOICE: Who are entitled to vote?

THE PRESIDENT: Members.

VOICE: How are you going to tell them?

THE PRESIDENT: With the assistance of these gentlemen who are going to try to determine that.

DR. KLEIN: Members in good standing.

THE PRESIDENT: I will ask that this first section come forward and cast their ballots.

(The voting was done.)

THE PRESIDENT: If there is no objection, we will proceed with the nomination and election of other officers. The next office is the one of secretary. Nominations for secretary are in order. Gentlemen, whom do you desire to have for your secretary for the ensuing year?

DR. GILTNER: I nominate Dr. C. M. Haring for secretary.

(This was seconded by several members).

THE PRESIDENT: Are there any further nominations?

SECRETARY HARING: Mr. President, I wish that my name be withdrawn.

DR. JOHN ADAMS: The office of secretary of this association is the most important one in this association. The secretary has much more to do than any other man; and the work to be accomplished by this association depends entirely upon him, upon the ability and the pep that the secretary puts into the work. I realize that there are many men in this association perfectly qualified to make good secretaries, so far as ability is concerned, and so far as the inclination is concerned, but this work will take a great deal of time. A man who has the ability and the acquaintance of the membership, and the ideal as to what ought to be presented at these meetings must also be so peculiarly situated that he can give a large share of his time to it, for a very small remuneration. I am going to put in nomination to-night a man who, in my opinion, has all of these qualifications. He is not an old, old friend of mine, but I know him intimately, although he does not reside near me at all. That doesn't make any difference, because he is a good, loyal member of this association. I nominate Dr. Merillat of Chicago.

DR. ———: I have listened to the remarks of the nominator with a great deal of pleasure, and I can endorse them very thoroughly. I have known Dr. Merillat for some years, and I know what an energetic worker he is, and what a conscientious man he is. I think he will make a first class secretary of this association. Therefore I take great pleasure in seconding the nomination.

THE PRESIDENT: Dr Merillat has been nominated for secretary. Are there any further nominations?

A VOICE: I move that the nominations be closed.

DR. DEVINE: I agree with the remarks of the other speaker as to the importance of this office. But, we have in our membership a man who has done yeoman service to this association for a quarter of a century; a man who is centrally located; a man who has wide experience with veterinary matters; who has served as secretary before, and has proven most capable; a man who has ever been ready to work for the cause. I wish to place in nomination the name of Dr. N. S. Mayo of Chicago.

DR. HARING: I would like to second Dr. Mayo's nomination.

THE PRESIDENT: Are there any further nominations?

DR. HOSKINS: I move that the nominations be closed.

(This was seconded.)

THE PRESIDENT: It has been regularly moved and seconded that the nominations for secretary be now closed. All those in favor of the motion will signify it by saying "Aye". Contrary minded, "No". The "Ayes" have it, and it is so ordered. I will appoint as tellers Dr. Hadley, Dr. Jacob, and Dr. Hart. The tellers will please prepare the ballots. If you are ready to vote, we will proceed in the same manner as we did in voting for vice-presidents.

(The voting took place.)

THE PRESIDENT: Nominations for treasurer are now in order.

DR. MCKILLIP: I would like to place in nomination the name of a man who has proven himself a great credit to the association in past years, Dr. F. H. Schneider of Philadelphia.

(This was seconded by several members.)

DR. JOHNSON: I move that the nominations be closed.

(This was seconded.)

DR. JOHNSON: And further that the rules be suspended and the secretary cast the vote of this association for Dr. F. H. Schneider as treasurer.

THE PRESIDENT: The motion has been made and seconded that the nominations be closed, and that we suspend the by-laws, and that the secretary be instructed to cast the ballot of this association for Dr. Schneider for treasurer. Are you ready for the question? All those in favor of the motion will signify it by saying "Aye". Contrary minded, "No". The "Ayes" have it unanimously, and it is so ordered. The secretary will please cast the ballot.

The nominations for librarian are now in order.

DR. HOSKINS: I nominate Dr. J. N. Frost, our present librarian.

THE PRESIDENT: Dr. Frost has been nominated.

(The nomination was seconded.)

THE PRESIDENT: Are there any further nominations?

DR. HOSKINS: I move that the nominations be closed.

THE PRESIDENT: What is your pleasure, gentlemen?

DR. JOHNSON: I wish to move that the nominations be closed, the by-laws suspended, and that the secretary cast the vote of the association for Dr. Frost.

DR. HOSKINS: I will second the motion.

THE PRESIDENT: You have heard the motion, that the nominations be closed, that we suspend the by-laws and that the secretary be instructed to cast the ballot of the association. All those in favor of the motion will signify it by saying "Aye". Contraryminded, "No". The "Ayes" have it, and it is so ordered.

Gentlemen, the secretary has something to bring before you.

THE SECRETARY: Dr. J. B. Schmidt of Pittsburgh, Pennsylvania, filed an application with the secretary last spring, but I did not find the application among those which I brought with me to this city. His name has now been passed by two of the prominent members of the A.V.M.A., and I would appreciate it if you would consider the matter at this time. The name is Dr. J. B. Schmidt, Pittsburgh, Pennsylvania, Ohio State University, Veterinary Department, 1906, vouchers, C. J. Marshall, Henry Turner. Dr. Schmidt is from Pittsburgh.

DR. HOSKINS: I move that the recommendation be approved.

(This was seconded.)

DR. MILLARD: I would like to ask Dr. Haring if he has the name of Dr. Van Husan of Howell, Wyoming?

THE SECRETARY: I have no recollection of that name. I might say that on account of the large number of applications that have come in, I have tried to list them carefully, but many of them coming in late have been either held up on account of defects in the method in which the application has been made out, or possibly, as in this case, have been overlooked. I do not recollect the name of Dr. Van Husan.

THE PRESIDENT: It has been moved and seconded that the recommendation be approved, and the gentleman whose name has been read be elected to active membership. You have heard the motion. Are you ready for the question? All those in favor of the motion will signify it by saying "Aye". Contrary minded, "No". The "Ayes" have it, and it is so ordered.

While we are waiting for the tellers, I am informed that there are one or two gentlemen here who wish to speak a few words in connection with the next place of meeting. I wish to say that if there are any who wish to speak on the subject, I will, unless it is objected to, give them a very few minutes.

DR. KING: Mr. President and gentlemen, I have asked for five minutes to speak to you on this subject, but I think I can finish in about two. As a representative and member of the Chamber of Commerce of Mobile, I am directed to extend to you an invitation to hold your next meeting at Mobile. The Battle House has offered its assembly room, with a seating capacity of about 800 to 1000. We have other things down there, the oyster business, and a great

many other branches of industry which Dr. Correll can tell you about better than I can.

DR. CORRELL: Mr. President and gentlemen, I assure you I appreciate the great compliment that you have paid me by allowing me to extend an invitation to you, which, however mild it may be, comes from the heart of the entire south. In looking into the faces of this organization, I want to say, not in the way of flattery, but as coming from a man who is old enough to be sincere, that I am surprised that the nation which you so ably represent has not long ago recognized your worth, in the community in which you live and practice. I look upon your organization as of more value to the health of this country than any other organization on the face of the globe; and I do not believe that it will be long until every one of you receives the recognition which you absolutely deserve.

I wish to say a word to you about Mobile. It is a beautiful city, at the jumping off place into the Gulf of Mexico. The finest oysters in the world. The most beautiful women in the world. The most beautiful flowers in the world; the most hospitable people in the world, and a country that needs assistance very much, because it will be very soon the feeding ground in that country for the grazing stock of the country.

In inviting you to Mobile, we can do double duty for you, we can take you to California at the same time, and at the same place. We have everything in Mobile that they have in California. We can take you through orange groves; we can take you through pecan groves. We can take you through the live oak groves. In fact, we can take you through this, the only city on the American continent that has been under five flags, and is today the pride of the entire south, and the only seaport in this great state of Alabama,—and it is dry.

Gentlemen, if you will come with us to Mobile, we will give you a touch of southern hospitality. Our homes and our hearts will be open to you. We will drive you through the most beautiful orange groves in the world, over the most beautiful roads you have ever seen. We will take you in bathing where the water is always 72 degrees, and where it is very salty. We will give you the best fish there is in the world, the best oysters, and best of all, we will give you the right hand of friendship, which I assure you is sincere, and everybody south of Mason & Dixon's line, the railroads and the official organizations, and cities, all join in this invitation to you gentlemen, and your good wives to come to Mobile in 1917. I have a little book up here, not an advertisement, but just a statement of facts about Mobile which I will leave with the president, and if you gentlemen want any, you can help yourselves.

THE PRESIDENT: Any others?

DR. A. T. KINSLEY: Mr. President, and Members of the Association, I come as one of a committee from the next largest veterinary organization in America, to invite you to meet in Kansas City in 1917.

We have not, perhaps, all of the scenery and the oysters to show you, and to treat you to in Kansas City. A great many of you were in Kansas City in 1907. We can show you the advancement of that city in 1917, or ten years' progress. Will you come back in 1917?

We will show you the Missouri River, the muddiest water I believe of any river in the country. We will promise to take care of you properly, house you, and look after your comforts in every way. Will you decide to come to Kansas City in 1917?

The little slips which each of you found on your chairs when you came into the hall this evening will give you an insight of where the meetings have been held the last few years. We call your attention to the fact that you have not been near Kansas City; and we further call your attention to the fact that the veterinary population of that section of the country has not had ample opportunity to attend the meetings of this association in the last ten years.

DR. GLOVER: As another member of the committee from the Missouri Valley Veterinary Medical Association, I wish to sanction and endorse the invitation of Dr. Kinsley in respect to Kansas City. Kansas City is centrally located. We can have the largest and best meeting that we have ever had. Kansas City is wet. If it is in order, and to the end that the executive committee may know the wish of the majority, I am going to move you that it is the sense of this meeting that the next meeting of the American Veterinary Medical Association be held in Kansas City.

(This was seconded by several members.)

DR. HOSKINS: Mr. President, we have journeyed out here to Detroit with the intention of presenting the claims of Philadelphia. We have been persuaded by the men in the Missouri Valley that their claims are paramount to ours for the time being. So, I will not present an invitation from Philadelphia, as we had intended for 1917, but will join with those who will vote for Kansas City, but give notice now that Philadelphia will be in the field for 1918.

DR. R. C. MOORE: Mr. President, I do not live in Kansas City. I live in a neighboring city, and am a resident of the Missouri Valley. As a resident of St. Joseph, Missouri, I wish to also extend to this association a hearty welcome to come to Kansas City, and to assure you that the Missouri Valley will turn out to give you a good time.

THE PRESIDENT: Gentlemen, it has been moved and seconded that it be the sense of this meeting, and that the executive committee be so informed, that we select Kansas City as our meeting place in 1917. Are there any remarks on this motion? Are you ready for the question?

DR. QUITMAN: Couldn't we defer that for the postal card vote, the same as we did before? While I personally have no objection to Kansas City—and the fact of the matter is that at the present time I favor it—it has not been long since a meeting was held in Kansas City. The fact that the Missouri Valley Medical Association holds their meetings there, and that perhaps many members prefer going to strange places, places they have not visited repeatedly, that fact, I say, may keep away as many members as might attend from the Missouri Valley. While I do not believe that a vote taken tonight will be binding, I do not believe it would be good practice. I think the thing should be deferred, and the invitation from the cities carefully weighed by the executive committee as in the past, and a postal card vote taken of the entire mem-

bership of this association, which is not here tonight. I do not believe it would be good practice to take that vote tonight.

THE PRESIDENT: As a matter of fact, and for the benefit of those who are not familiar with our set of by-laws which affect this matter, the vote that you are about to take, whichever way it may go, has no effect upon the selection of the meeting place. That is entirely within the province of the executive committee, and the individual member has nothing to say about it. I am simply allowing this motion to go before you so that we can expedite matters and get on with our business. Are you ready for the question, gentlemen?

DR. BAKER: Before this motion is put, I would like to say a word in favor of Mobile. I think we should meet there, and it would be an act of courtesy to the south, if we accepted their invitation. We accepted an invitation once to meet in New Orleans, the meeting you will remember for 1914. New Orleans was cheated out of the meeting. As a recognition of their invitation and the courtesy which has been extended to us, I do not think it is fair to put the motion that Dr. Glover requested. It is not a fair way to get at it. Suppose you do put the motion. What will be the result? Are we giving Mobile any show?

I move you, sir, as an amendment to Dr. Glover's motion, that a postal card vote be taken the same as we did for San Francisco.

DR. SCHMIDT: I second the amendment.

THE PRESIDENT: An amendment has been offered. I am inclined to think that the chair will rule this entire matter out of order. I think it is the general sentiment here that this procedure is entirely irregular, and I think I am supported in that idea, by the majority of the members here present. I shall declare this entire procedure out of order. I might say that these matters which have been brought to our attention will be referred to the executive committee.

I will call upon the committee on legislation to make a report at this time. Is Dr. Buckingham present?

DR. BUCKINGHAM: Your committee on legislation has the following report: (See Journal, December 1916.)

THE PRESIDENT: Gentlemen, what will be done with this report?

DR. HOSKINS: I move that we accept this report of the committee on legislation, that it be received and referred to the Journal.

(The motion was seconded.)

THE PRESIDENT: All those in favor of the motion will signify it by saying "Aye". Contrary minded, "No". The "Ayes" have it, and it is so ordered. Are the tellers ready to report?

DR. KLEIN: I would like to make a motion Mr. President. The committee on legislation and Dr. Hoskins have rendered invaluable assistance in this work, and I move that they be extended a rising vote of thanks by this association for the services they have rendered.

DR. HUGHES: I second the motion.

THE PRESIDENT: It has been moved and seconded that the committee on legislation and Dr. Hoskins be tendered a standing vote of thanks by this

association for their work along legislative lines. Are you ready for the question? All those in favor of the motion will signify it by rising.

(The assembly rose.)

DR. MARSHALL: If it is in order, I would like to move that Congressman Hay be made an honorary member of this association for the yeoman work that he has rendered to our profession.

DR. QUITMAN: I second the motion.

THE PRESIDENT: It has been moved and seconded that we elect Congressman Hay to honorary membership in this association.

DR. MARSHALL: I think it will be necessary to suspend the rules to have that done. I move that the rules be suspended. That can be done by unanimous consent.

THE PRESIDENT: That we suspend the rules in order to permit this. Are you ready for the question?

DR. MOHLER: I would like to know how many honorary members this convention has elected this year.

THE PRESIDENT: None. All those in favor of the motion will signify it by saying "Aye". Contrary minded, "No". The "Ayes" have it, and it is so ordered.

Are the tellers who canvassed the vote on vice-presidents ready?

DR. HADLEY: I can report on the election for secretary.

THE PRESIDENT: The tellers who were appointed to canvass the vote on the secretary are now ready to report. I hear no objection to receiving the report at this time, so, Dr. Hadley will you give us the report?

DR. HADLEY: There were cast 253 votes. 141 votes were for Dr. Merrillat and 110 for Dr. N. S. Mayo, and 2 for Dr. Haring.

DR. MAYO: I move that the rules be suspended and that Dr. L. A. Merrillat be elected as secretary of this association, and the secretary be instructed to cast the ballot.

(The motion was seconded.)

THE PRESIDENT: It has been moved and seconded that we suspend the rules, and the secretary be instructed to cast the ballot of this association for Dr. L. A. Merrillat as secretary for the ensuing year.

SECRETARY HARING: It has been cast.

THE PRESIDENT: I am informed by the secretary that this ballot has been cast. Therefore, I declare Dr. L. A. Merrillat duly elected as secretary of this organization.

THE PRESIDENT: We will now listen to the report of the committee on resolutions, Dr. Adams. Is Dr. Adams ready to report?

DR. JOHN ADAMS: The committee on resolutions is unable to report tonight for the reason that several very important resolutions were introduced here this evening; resolutions that cannot be temperately considered tonight. Unfortunately, only two members of this committee are present, and it has been necessary for me, in consultation with some of the older and wiser heads, to appoint three members to fill vacancies. That has been done, and we have talked the

matter over, and tomorrow morning we expect to decide upon these resolutions. I move that the report be presented under the head of unfinished business in this room tomorrow morning.

THE PRESIDENT: There is some doubt as to whether we will meet here tomorrow.

DR. ADAMS: There are some of these resolutions that have to be considered very carefully; otherwise, toes are going to be trod upon. We have tried to get a representative, temperate committee, and we do not propose to rush through undigested resolutions before you tonight. They came in so late that they cannot be handled, cannot be considered tonight.

THE PRESIDENT: What is your pleasure, gentlemen?

SECRETARY HARING: We will probably be in session for an hour, or perhaps two or three hours this evening considering the reorganization matters. Could not the committee on resolutions retire to the parlor and get busy and report tonight?

DR. ADAMS: If we have an hour, that will be sufficient.

THE PRESIDENT: The proposition is this, tomorrow we have the clinic; the clinic starts at 9:30. If that is the case, you will not have a corporal's guard here in the morning. It is not for the chair to decide. I would like to hear from the members of the association on that question. I think it would be a very good plan at this time to settle the question of whether we will meet here in the morning, or conclude our labors tonight.

DR. E. L. QUITMAN: I move, if such a motion is in order, that the body sit in session tonight until all business is finished; because, as the chairman has already stated, if a meeting is called in the morning, the chances are that there will be few present. I understand that the local committee has provided a large and interesting clinic that will require the entire day; and if anyone has ever had any experience in getting clinics together, they know it is very disappointing to have to send half of the animals home without having been operated on or viewed by the veterinarians. As an act of courtesy to the local committee on arrangements, and the committee on clinic, we should get down there at the appointed time, and give them our support. At the same time, I want to back up Dr. Haring in the hope that the committee on resolutions will bring in their report tonight. If a motion to that effect is in order, I move that this body stay in session until all business is completed.

SECRETARY HARING: I second the motion.

THE PRESIDENT: It has been moved and seconded that we complete the work of this session this evening. Are there any remarks? Are you ready for the question? All those in favor of the motion will signify it by saying "Aye". Contrary minded, "No". The "Ayes" have it, and it is so ordered. Dr. Adams, will you retire, and try and bring in a report later in the evening?

DR. QUITMAN: Will it be in order for me to read a proposed amendment to the by-laws at this time?

THE PRESIDENT: I see no objection.

DR. QUITMAN: In conformity with our by-laws I wish to read a proposed change. As we all know, it has to be laid over. I file this amendment with

the American Veterinary Medical Association. We herewith present a proposed change in the Constitution and By-laws.

"Resolved, that Section 2 of Article X be amended to read that the yearly dues of the association shall be \$3.00, payable in advance. Should new by-laws be adopted, this proposed change shall apply to the Section and Article in the new by-laws pertaining to dues."

In support of that, I will say that the committee on finance, of which I had the honor to be chairman, I think is more conversant with the financial condition of the association than members who have not had the opportunity to go into the finances of this association. That committee, without any dissenting voice, is of the firm opinion that \$3.00 a year, with the great membership that we have, is not only ample to support the Journal, to support this organization, but to give us a surplus. It is my observation and experience in other organizations, since we are not a financial institution, if we get too much money on hand, we will be having a surplus with our membership in another year of about \$5000 a year, unless you work hard to find ways and means to spend it. Just as soon as you get too much money, it leads to schemes and dissension. I believe \$3.00 a year is enough.

Furthermore, I believe in quality, but in numbers there is strength. I honestly believe that \$5.00 a year will keep out many a good member from this association—I do not mean the present members—but I think it will prevent new material, and while a dollar or two doesn't look so large to some of us, it may to the younger veterinarians, and \$3.00 a year will not look so large to them. Surely, in numbers there is strength. I think that had a great deal to do with the passage of the Army Bill. I think if our membership had been over 2,000, or nearly 3,000 five or ten years ago, we would have passed the Army Bill, with the efficient help of the committees, of course. I just say that in explanation and in support of this proposed amendment.

THE PRESIDENT: If there is no objection this will take the usual course, and it is so ordered.

DR. QUITMAN: I might say that the resolution is signed by the entire committee on finance.

THE PRESIDENT: The tellers on the vote of vice-president have not returned as yet. If there is no objection, we will take up the report of the committee on reorganization. I will call upon Dr. Cary, the chairman of that committee. Are there any members in the room who desire copies of this report, so they may follow it carefully while the report is presented? Please give Dr. Cary your earnest attention.

DR. CARY: Before reading the report, I wish to make a few remarks about it. This committee had no idea of presenting to you a perfect instrument, or one that would satisfy everybody in this association. The object of the committee was to furnish you an instrument that was workable, and, as we deemed it, an improvement on the old one.

I wish to say that this is not a one-man report. It is not altogether the ideas of the members of the committee, because we have taken the work of other committees as a foundation. It is probable that some of you who will casually look at it will not understand the harmony and completeness of it in the main.

We do not say that there are not possible criticisms, or real criticisms that may occur, or that could not be given to this instrument; as you all know, legislation, or a great deal of legislation for any organization is done largely through committees. This new instrument presents the foundation, at least, of something that is an improvement on the old.

We did not fail to take into consideration the old constitution and by-laws, and take out of that such as we deemed would be valuable in the new. In reading this, I wish to stop occasionally to comment. I hope you will be patient with me, and will not hastily criticise certain parts until you see what the whole contains and means.

I shall read to you Article I and Section 1 of the constitution.

(Dr. Cary read from Article I, down to and including Section 1 of Article III.)

Here is a change that affects the old members; those who have been members 25 years in good standing, and you will notice the change directly.

(Dr. Cary read all of Section 2, Article III.)

Before this, any man who had been a member for 25 years did not pay dues. As each member gets the Journal, there is no reason why one who has been 25 years a member is not better able to pay his dues for the Journal than he was when he first entered the association.

(Dr. Cary read Section 3 of Article III; and Section 1 of Article IV.)

You will notice a wide change; and that was for this reason: simply to give the association without a three-quarters or two-thirds vote to have it any time between those dates. As has occurred in past history, the place of meeting has nearly always been selected by vote of the association. We have made provision, however, that in case this association in session does not select a place, that the executive board can do so.

There is another reason. I want to mention that this association is becoming more and more United States wide, or continental wide. That being the case, while a good many of you think you could not hold it in the south in the summer, you could if we did not have any hotter weather than we have had in the last few days in Detroit—that it would be necessary to give us a wider limit, that the meeting then could be held during the holidays, say in New Orleans or Atlanta or Mobile or any other southern town, without requiring, as we had to do in New York City, a two-thirds or three-quarter vote in order to change this and enable us to go to the south. I hold that this is a good provision on that account. It gives the association the liberty to go anywhere in the United States at almost any season of the year, to suit the climate of that region. This being continental wide, we ought to grant that.

(Reads Section 1 of Article IV from, "not later than the 31st of December of each year, unless otherwise ordered", etc. Reads Section 1 of Article V.)

You will notice there is some change here.

(Reads Section 2 of Article V.)

There is a mistake in the print. You will notice in the print that it is "much". It should be "such".

(Reads Section 3 and first paragraph of Section 4 of Article V.)

(Reading): "He shall receive such salary and allowance as may be

recommended by the executive board and approved by the association." The rest of that paragraph as printed is excluded. Those words were put in there by the printer, but were not intended to be put in, "also help and office expenses". That whole phrase is cut out, so just cut that out in your copy. The report of the committee did not have that, and I possibly failed to cut it out in the manuscript I gave to the printer today.

(Reads the last paragraph of Section 4, Article V, and all of Section 5 of Article V.)

You will notice that here we have made the treasurer report a little differently than in the preceding constitution. In the old constitution, in that all his vouchers must be present at the annual meeting, so that the auditing committee or the finance committee can see every one of those vouchers and check them up. It is not just the account, but the presence of his books and his vouchers, so that you may check him as you could check a bank.

(Reads Section 6, and Section 7 down to and including, "ballots not signed and ballots not returned within sixty days after date of issue, shall not be counted".)

Here is one point about which some have raised a question; it was a question, to some extent, in the committee as to how these ballots should be counted. All of it comes back to one question. Instead of making this the president, secretary and others, in the counting of these you would have to have those two men together, and that would be expensive. It all comes back to the honesty of the man. If you are going to check an honest man, and you don't depend and trust the man you elect, then you ought to have some check on this. For my part, it looks to me that we expect to elect honest men. He must retain those ballots for two years. If he does a lot of crooked work, we certainly can check up on him. He might announce a result, and afterwards we might find it wrong. These things are possible in all elections, and all of it comes back, after all, to the honesty of the man. If we want to trust our man, all right. If we don't, we will have to have some check of that sort.

Dr. Cary read from "Accurate records shall be kept by the secretary", etc., to and including, "— shall never be withheld from publication".)

The records of votes cannot be withheld.

(Reads from "The executive board shall have full discretion to withhold from the Journal in whole or in part"—to and including the last paragraph of Section 8, Article V.)

(Dr. Robert Ellis of New York at this juncture assumed the chair.)

DR. CARY: You will notice that the division is geographical. One thing might be added to explain, that it would be almost impossible to divide this country into geographical boundaries that would give what you would call equal representation by the membership. We therefore, elect one member at large, so as to give the central and most concentrated areas the opportunity of having two, because they will generally be elected, the one member at large will generally be elected by the members in the concentrated areas.

(Reads from and including Section 9 of Article V to and including Section 2 of article II of the by-laws.)

This is the same as we adopted in New York, as I understand it.

(Reads Section 3 of Article II of the by-laws.)

This is practically what was in the old constitution or by-laws.

(Reads Section 4 and first sentence of Section 5 of Article II of the by-laws.)

This is taken directly from the old by-laws.

(Reads the balance of Section 5, Article II, Article III, Article IV and Article V of the by-laws.)

(Reads Articles VI, VII, VIII, IX of the by-laws.)

You will notice that is a distinct change.

(Reads Article X of the by-laws.)

DR. MOHLER: That is only intended for one member? "The members at large shall be elected by ballot at the regular annual meeting." That is only intended for one member.

DR. CARY: Yes, one member at large.

DR. MOHLER: It is plural here.

DR. CARY: That is a mistake and it should be erased. That should be "member" instead of "members". That is a typographical error.

(Dr. Cary read Articles XI, XII of the by-laws down to and including Section 7 of Article XII.)

There were some objections brought out. I want to discuss them with you here so that you will understand it. It is said that some state veterinarians and state men in experimental stations or the B.A.I. men could not give papers if this was enacted. The fact is that this does not prevent any man using the facts that belong to the B.A.I. or the experiment stations, or any one else, but he must put it in a little different dress if he wants to use it in the station, or with the government, but that is work that does not prevent them at all, as we interpret it.

(Dr. Cary read Articles XIII, XIV, XV and XVI.)

I want you to follow Article XVII particularly, as we have made some radical changes in committees.

(Dr. Cary read the first paragraph of Section 1, Article XVII of the by-laws.)

You will notice that we have left out the committee on diseases, for the reason that it has been argued by nearly everybody that the committee on diseases simply gave papers that should come before a section, or before the association. That is what they are as a rule, and they ought to be in the regular program, and not as a committee report. That is why we put it that way.

(Dr. Cary read the balance of Article XVII, Article XVIII, Article XIX and the first two sections of Article XX.)

The next provisions are made largely for the putting of this into operation.

(Dr. Cary read Section 3 of Article XX of the by-laws.)

You will notice that we have not provided for a librarian. The library work is to be taken care of in the new organization by the secretary. We have not provided for a librarian.

(Dr. Cary read the balance of the by-laws.)

As soon as he assumes this duty, if this is adopted, he is to take steps to have the board elected, one for one year, one for two, and so forth in regular order.

I just want to admonish you about one thing. It is the most difficult thing in the world for as large an organization as we have, to get something that will satisfy everybody. I might refer to a thing that occurred in the south not long ago when some fellow down in Thomasville, Georgia, where so many of the northern millionaires go to spend the winter, was criticised rather severely, and he made this remark: "that he never saw an editor who pleased everybody; that his face was not under glass; and he was not standing up."

This is a working organic constitution and by-laws for us. There are some errors in it probably, and we must work them out; but you will never get an adoption of one, if you come up here and try to get every little detail corrected at one time, and see-saw backward and forward, over what we might call a mooted point. I do not say this is perfect. The members of the committee who were with me do not claim that, but I believe that we have a better thing than we ever had, and a workable thing, and if there are errors in it, we can work them out, and we have a way to work them out. If we take it up step by step tonight, to adopt it in its entirety, we will get nowhere.

I am not pleading with you to adopt this unless you want to, but I am simply saying this, that this has been gone over by the executive committee, it has been gone over by a great many others on other committees, of course, not exactly as we have had it, but we have tried to cut out all errors as far as possible, and to put in no favors for anybody, and to have an organic working constitution that we can grow with. A constitution is not made in a day, the constitution of any country is a growth, and a growth must occur in an organization like this.

I want to suggest that we adopt this as a whole for the reason that if you start quibbling over this, you know as well as I do where we will land. I therefore, move the adoption of this as read, and leave it with you.

DR. HIGGINS: I second the motion.

THE PRESIDENT: If there is no objection before we entertain that motion, we will have a report from the tellers appointed to canvass the vote on vice-presidents, as they are in the room and ready to report. I think we should hear them before we proceed with this matter.

DR. HIGGINS: Mr. President and gentlemen, a total of 261 votes was cast, and you have elected as first vice-president, Dr. George Dunphy; second vice-president, Dr. Bolser; third vice-president, Dr. Hadwen; fourth vice-president, Dr. Moore; fifth vice-president, Dr. Howard.

THE PRESIDENT: In view of the report of the tellers, I declare Drs. Dunphy, Bolser, Hadwen, Moore and Howard elected vice-presidents of this association for the ensuing year.

It has been regularly moved and seconded that the report of the committee on reorganization be adopted. Are you ready for the question?

DR. QUITMAN: I move an amendment to the report of the reorganization committee.

DR. GRANGE: In regard to this constitution and by-laws which have just been read, if it is adopted as it is now I do not see how Canadian colleges can live up to it; unless some provision is made whereby Canadian colleges can meet conditions acceptable to this association, we shall be in a very awkward position.

Let me explain the situation. In the first place, the examination according to the Bureau of Animal Industry requires that candidates shall pass an examination in United States History. You must be aware that different countries teach the history of their own country, and in the schools of Canada, or in some of them at all events, United States History is not taught. It is hardly fair to ask our applicants to pass an examination on a subject that is not commonly taught in the schools.

The Bureau of Animal Industry requires that the veterinarians shall be so and so. They must be selected from different colleges. We have not the different colleges to select from, and, as a consequence, we are at a very great disadvantage. I, myself, selected a gentleman who is regarded in his line as one of the most prominent men, not only in America, but in the world, a physiologist who was in Michael Foster's class, a most distinguished man; a man who had been for nine years lecturer on physiology in the Royal College of Veterinary Surgeons, who is a Fellow of the Royal College, who was an examiner for the Royal College of Physicians & Surgeons in Great Britain, and I am told that is the highest honor that a physiologist can get in that country. That man was selected by the Ontario Veterinary College, in partnership I think I may say, with the University of Toronto. According to the terms of the Bureau of Animal Industry, we could not get any credit for employing that man. He was employed by the college before I knew that there were any of these regulations to be acted upon. I do not think it is fair to expect us to live up to all of these regulations which are put forth by the Bureau of Animal Industry, simply because we are in another country.

These recommendations are splendid for the United States, splendid; but they do not suit us in all particulars. The particulars are not very difficult to overcome, at least, in my opinion, if we have an opportunity to present the case in a better way. I am a little tired, and I would like a little time to consider and present them in another way. I would like some chance to be able to live up to the wishes of this association.

DR. HIGGINS: I think this whole matter can be very easily settled and without much or any change; if the word "equivalent" is placed in the right position, when the whole report is printed, and, as I understand, the requirements of the Bureau are printed. I admit that Dr. Grange's contention is correct, that it would be unwise to ask any man going through a Canadian school to pass an examination upon United States History, although I may venture to say, and without contradiction, that any Canadian who goes to our schools and has the requirements which he should have to go through the veterinary schools in Canada, is better versed in United States History than the average man in the United States is versed in Canadian History. I think that is borne out by the teaching of history, or the difference in teaching history in Canada and in the United States.

I would, therefore, suggest that this change be made to conform to the defect which Dr. Grange has pointed out, and I believe that can be safely left in the hands of the committee. It is one of those small oversights that appears now and again in the redrafting of by-laws and constitutions, and is really a minor detail, although in Dr. Grange's eyes, and in my eyes as well, it is a defect that must be provided for.

THE PRESIDENT: Is there any further discussion?

DR. CAMPBELL: I realize that there are shortcomings, of the nature mentioned, in Dr. Cary's plan. I think I also see some others, of perhaps a different class, which are not mentioned. To my mind, the plan shows evidence of haste in preparation. I notice that a number of important recommendations contained in the President's annual address, and in the Secretary's annual report, and in the annual report of the finance committee, are not embodied and are not taken care of in this plan. For instance, there is no provision for associate members, a thing most strongly urged in the President's annual address. There is no provision for giving a man assuming the duties and the responsibilities of the position of president, some time in which to familiarize himself with just what he wants to do. The President, in his annual address, after an experience of a year in that position, says that he realizes fully that a president should be elected a year in advance, that he may look over his work and get to it better. The secretary advises us that there should be a permanent headquarters established for the association, a permanent office kept open during business hours. The chairman of the finance committee tells us that we have \$15,316.61 of assets now, and he surmises that that amount will be increased at least \$5000 a year. That will make over \$20,000 next year, because we cannot change these dues right away. It seems to me that with that amount of funds, it would surely be wise for this association to be incorporated, to put things in a business way, and to accomplish some real things that can only be accomplished by a business organization. A corporation cannot be carried out except by having a permanent headquarters and a permanent office, etc.

These are just oversights, I am sure, due to haste. I wish to present to the association an amendment. I wish to amend the motion of Dr. Cary that this constitution be adopted; I wish that the following be adopted in its stead, and I propose here to read a plan for reorganization that has been presented, in its essentials, to the executive committee of this association by two committees on reorganization, though it never got past it. Some of those members served three years on that committee, and I am certain that it represents the ideas and discussions of at least fifty or more members of the association. This is printed and available, and if you will have it distributed to all the members present, I will speak five minutes on the subject.

THE PRESIDENT: A motion to adopt is before the house. You have a right to amend it.

DR. CAMPBELL: I say that it is printed and available, and if you care to distribute it among the members, I will speak for five minutes to that subject.

THE PRESIDENT: I think that would be very much better; it will save a lot of time. If there is no objection, Dr. Campbell can submit his proposed amendment in the form of this printed booklet. If there is any objection to that, we can have him read it.

DR. HIGGINS: Has the committee had that plan of reorganization in mind?

DR. CARY: Yes sir.

DR. MAYO: Is there a motion before the house?

THE PRESIDENT: There is a motion before the house. The motion is to adopt the draft as read by Dr. Cary.

DR. QUITMAN: If this is adopted as it is here, it becomes the——

THE PRESIDENT: It becomes the constitution and by-laws of this association, as I understand it.

DR. QUITMAN: I have an amendment——

THE PRESIDENT: Dr. Campbell has the floor. Is there any objection to Dr. Campbell proceeding in the manner he suggested, that he distribute these printed pamphlets, and have the privilege of the floor for five minutes to explain what his amendment constitutes? If there is no objection, Dr. Campbell will proceed with that amendment.

(The booklets were distributed.)

THE PRESIDENT: It has been suggested that the association read this, and then we can proceed with it and save time. Dr. Campbell's amendment is that the printed matter which he has placed in your hands be offered as an amendment to the proposed constitution and by-laws as offered by the committee on reorganization.

DR. CARY: I call for a point of order. This could not be an amendment to what we have; it has to be offered as a substitution.

THE PRESIDENT: What is that?

DR. CARY: I arise to a point of order in the fact that this could not be an amendment to what we have, because it is simply a substitution.

THE PRESIDENT: I think Dr. Cary's point of order is well taken.

DR. CAMPBELL: May I say a word on that; may I state my views?

THE PRESIDENT: Yes, I think it is proper that you should.

DR. CAMPBELL: I think he misunderstands it.

THE PRESIDENT: If you offer that as a substitute, I will recognize you.

DR. CAMPBELL: That is right. I will offer that as a substitute, if that makes any difference.

THE PRESIDENT: Dr. Campbell then offers this draft as a substitute for the one offered by the committee on reorganization.

DR. KLEIN: I rise to a point of order. I doubt very much if it is according to parliamentary rules for a new set, or a proposed set of constitution and by-laws to be offered as a substitute for a committee's report. We have before us the consideration of the report of this committee. I think that we are required to consider the report of that committee and dispose of it.

THE PRESIDENT: I will have to rule on that point of order. I will say, gentlemen, that I hope you will assist me in this matter. I may have to call upon you gentlemen from time to time to instruct me as to what I should do. I am inclined to think that Dr. Klein's point of order is well taken. I think that, if there are any objections, any specific objections to the draft of the proposed constitution and by-laws that is offered by the reorganization committee, they should be offered in the form of amendments. I question very much whether it is proper that we should take up the matter embodied in this printed

pamphlet which Dr. Campbell has distributed, that that is a proper way of getting at the thing. I will rule that Dr. Klein's point of order is well taken.

DR. CAMPBELL: May I make a statement on that?

THE PRESIDENT: Certainly.

DR. CAMPBELL: I understand Dr. Klein's point, of course. I looked the matter up before undertaking this, and I was merely doing this to save time. If the association prefers it, I can offer these as forty or fifty amendments to specific things in the other as they come up, but look at the time it will take. It will not give the association the opportunity of grasping it as a whole. What is the object before it tonight? Does someone fear that this is totally bad, after having been gone over for three years by fifty men, that there may not be one little germ or something good in there? If there is some good in there, don't you want to get it in? Do you want to do the best you can, or do you want to do something else tonight? That is the question. I will offer the fifty or more amendments, if that is what you want.

DR. CARY: We asked for suggestions in the Journal from all the members, and I think that gentleman could have come before the committee and presented these or any other statements that he wanted to make. I think that would have been the proper place. I am not criticising him for wanting to get his ideas in here, but I think this is the wrong time to put in this as a substitute. I do not wish to criticise at all, but I think that we are considering the report that is before us.

DR. CAMPBELL: As a personal request, I would like to reply to that statement.

THE PRESIDENT: Dr. Campbell.

DR. KLEIN: I would like to offer an amendment to Dr. Cary's motion.

THE PRESIDENT: Dr. Campbell has the floor.

DR. CAMPBELL: The statement that Dr. Cary makes is true, that I or others should have taken this before him—if we had wanted it buried. This report, in substance, representing a great deal of work by some five or eight members of this association, and consultation work of fifty others, has been buried twice in the executive committee. This report of his had to go to the executive committee. I am not here to explain why the executive committee would not permit the association to pass on this. I will only say that the association instructed once that this be published in pamphlet form and sent to the members. I will only say that that was published and furnished to the secretary, but too late to get to all of the members. There was an opportunity, however, for it to be brought before all members at the meeting several days before it was presented. It was not done. I will say that at the time that the motion was made to recommit this, and the reason that I believe, that that motion carried at San Francisco, was because the secretary of the association, in making the report, stated that we were getting an official Journal now, and we would have an opportunity, and, as we understood him, we would publish this and other plans in the Journal from month to month and get a discussion on them. I will say further, that I wrote to the editor of the Journal and the present secretary of the association offering to discuss this matter in the

Journal, but I got no invitation to come ahead with my discussion*. After an experience of that kind, I think you will not censure me for not going to the committee in session here.

DR. HOSKINS: I simply wish to ask for a question of information; I wish to ask Dr. Cary, as chairman, whether this proposed change, this plan which was offered in California, was considered by the committee in drafting the proposed present changes or the revision of the constitution and by-laws?

DR. CARY: It was.

DR. KLEIN: I would like to offer an amendment to Dr. Cary's motion to this effect; that Article II, Section 4, the fifth line of the by-laws, that the phrase, "beginning with the session of 1917-1918", be changed to read, "beginning with the session 1916-1917."

DR. CARY: Is that in the by-laws or the constitution?

DR. KLEIN: The by-laws, Article II, Section 4 of the by-laws, the fifth line of that section.

DR. QUITMAN: There is no second to that amendment.

(This was seconded.)

THE PRESIDENT: The amendment has been moved and seconded. I would like to have the doctor repeat what the amendment is as I do not think we have all heard it.

DR. QUITMAN: I move an amendment to the amendment. I wish to move that all these proposed by-laws and constitution be taken up and considered and voted upon *ad seriatim*, that is, section by section, and article by article.

DR. CAMPBELL: I second that motion.

THE PRESIDENT: Gentlemen, you have heard the amendment to the amendment stated by Dr. Quitman. Is there any discussion?

DR. STEWART: That seems like a very long, tedious proposition. However, there is a very considerable at stake. There are a number of sections that are so defective. I am sure that if a lawyer would interpret it, we would get quite an adverse opinion, as some important business lines are slighted. It would take considerable time to look over it. I do not believe we ought to adopt it at all except in that manner. For that reason it seems to me that this motion, the whole motion, should not prevail, or that we should put it over until we have a chance to study it. I have not undertaken to canvass it carefully, as it has been read, but I have found a number of places it seems to me that ought to be modified materially. To do that will take some careful consideration. A lot of propositions now appearing, if adopted, you will want to change afterwards; but you cannot make a change for two years. That is a long time to wait, if you are going to give a trial to a proposition of this kind; let's make it so that we can either change it very much sooner, or else take the time and get in all our objections as we go along.

DR. KLEIN: There is nothing to prevent, at least I do not think there is,

*The editor is unable to find such a request in his files.

an amendment being offered to these by-laws after they are adopted, and that amendment being offered in writing and read here tonight can be taken up at the next annual meeting.

THE PRESIDENT: The question is on the amendment to the amendment, that is, that we take up this instrument, take all the various sections *ad seriatim*. Are you ready to vote on the amendment? All those in favor of the amendment to the amendment will signify by saying "Aye". (Many vote "Aye"). Those contrary minded, "No". (Many vote "No"). The amendment is lost.

DR. QUITMAN: Poll the vote, Mr. President.

THE PRESIDENT: The amendment is lost.

DR. CARY: May I say a word on the amendment as it now stands?

THE PRESIDENT: Yes.

DR. CARY: I do not wish to project myself unduly before the association, but I think that Dr. Klein's amendment could be left out very well, not because I object to it in any way, but for the reason that we did not aim in this constitution and by-laws to interfere with any of the catalogs of the colleges that were gotten out for this succeeding year. There isn't anything, so far as I can interpret it that interferes, that the old constitution did not interfere with before. That is the reason we passed that with the years as we have suggested. I therefore, suggest to Dr. Klein that he withdraw the amendment for that reason; that these colleges have already gotten out their catalogs, and that was considered by the committee. We do not, therefore, wish to make any changes beginning in 1916-1917, on that account.

DR. KLEIN: I would like to explain to the association that I have offered this amendment because I am informed that the only college which would be affected by this amendment of mine has not as yet sent out its catalog. It is waiting for the action of this association; and if my amendment is adopted, they have a four year course already drawn up, and they will put out a catalog describing the four year course. If this amendment is not adopted, they will retain the three year course.

THE PRESIDENT: Is there any further discussion on Dr. Klein's motion? Are you ready to vote? You all understand Dr. Klein's amendment? All in favor of the amendment will signify the same by saying "Aye". Contrary minded, "No". The "Ayes" have it, and it is so ordered. The question is on the original motion as amended. Are you ready for the question?

DR. S. STEWART: There are several things that I think should be altered. I will call attention first, to Article III in which it describes the membership, two kinds, active and honorary. In relation to that, a provision under the by-laws which relates to sections, Article XII, Section A, B and C., Section C of which provides for veterinary colleges and examining boards. According to this, I do not understand that any man who is not a member would be likely to ever attend any of these meetings of examining boards. It has been my understanding that it was the purpose of the reorganization for the last four or five years to make provision for the associate membership of men who were members of examining boards, but not of this association, so that they would

really come in and take an active part in carrying out the purposes and the work of such committees. It would seem that no such provision is made for any such associate membership. It appears to me to be a very wise provision to make. I would suggest that there be associate members added to this first list, and that the associate members should be composed of members of examining boards, of college faculties, ex-officio; if they are members of the faculty boards, they are ex-officio members of the associate membership, and they can come in then and work to accomplish the purposes of a section of the association, the association of faculties and examining boards.

THE PRESIDENT: Is there any further discussion?

DR. HOSKINS: As I understand it now, in reply to Dr. Stewart, the association of faculties and examining boards now practically becomes a section of this organization. We have never denied the discussion of matters on the floor to any one interested in our work. We have not allowed them to vote, of course, but it seems to me that the association making it now a section, that it covers all that is absolutely essential for the work of the association of faculties and examining boards.

DR. COTTON: I heartily agree with Dr. Hoskins. I think the members of the examining boards, if they want to become members, should prepare themselves to become active members, not associate members.

DR. STEWART: May I speak again on that same question? I have given my time for the last six or seven years, or a considerable part of it, trying to interest state examining boards with the work that this association hopes to carry out by just such a section. There are state examining members in our association, quite a number of them, who are not members of this association. Because of certain things they did not want to become members of this association, but they would take an active part, if they could be associate members while they are members of boards, and we could get their co-operation under such circumstances, but we cannot now expect that. In the state of Texts, they have seven members on their board; and there is possibly one man who is ineligible to membership; he cannot become a member, has not practiced five years, and we lay down the rules of obstruction against his coming in, and say, "Come in, I think you are a good fellow". But he can't be a member, he is a member of the board. There are many of those men, and I feel we are wrong if we do not make some provision for getting their co-operation to the end of doing the work that the state examining boards can best do when they understand our purposes.

THE PRESIDENT: Is there any further discussion?

DR. R. C. MOORE: I think I noticed another serious defect in this proposed change. I notice that there are five members who constitute the executive board. It provides that four of these constitute a quorum. No business can be transacted unless four of the five are present. They have charge practically, of all the business of the association. Suppose two of those members absent themselves from our meeting. How are we going to transact business? There is no provision for the president filling temporary vacancies. There is for permanent vacancy, but no provision for a temporary one.

DR. BUTLER: Dr. Moore is in error in stating that the membership is five. It is six. He is right in stating that the quorum is four. But he also overlooked the fact that the president is given the right to appoint and to fill vacancies on the committee, on the board.

DR. R. C. MOORE: Temporary vacancies? He is to fill permanent vacancies, but is he really authorized to do that where there is a temporary vacancy?

DR. BUTLER: As it is stated here, it says, "Vacancies". It does not say "Permanent vacancies".

DR. MOORE: Would there be a vacancy on the board, Dr. Butler, if a man was still a member and had not left the state, or anything of that kind?

DR. BUTLER: I think there is some question about that. Your ground may be correct, but I maintain that when a board having power is made up of six members, that four should be required to be present before they be allowed to transact any business. I do not believe that a board of six members having the power of this board should be permitted to transact business unless they did have all four members present, because if we allow three of them to proceed, that is only half of them. This is the smallest number, four, which can be made, and still have a majority of that committee of six.

THE PRESIDENT: Is there any further discussion?

DR. MOORE: It seems to me that that would still leave the question open, as to whether the president would have a right to fill this vacancy, and if he has not, then we would still be left in the same dilemma, provided two or more than two of those members were not present. I think most of you agree with me that there are times when there are more than that absent from our executive boards, and the president has had to fill those vacancies. Would it not be wise to allow the president or the association in session to temporarily fill that vacancy so that business could be transacted?

DR. REYNOLDS: I think it is clearly the spirit of Section 9, that the president should have power to fill such vacancies, but I can see that it is not very clearly worded to that effect. "The president shall fill any vacancies in the executive board from the district in which such vacancy occurs, and said appointee shall hold office until a special election for that district may be held." The application or inference there, would point towards a permanent vacancy, but it is clearly the spirit of that, that it is to fill any vacancy, and by just a little change in the wording, that point can be very easily corrected, as it should be, temporary or permanent; the insertion of one or two words will do that easily. Dr. Cary is chairman of that committee, and has permission to do that, and will take care of it, I am sure.

THE PRESIDENT: Is there any further discussion of the question before the meeting?

DR. S. STEWART: I would like to comment on this one point, and then get back to the other. There is a provision for six members of this board of trustees, and they are to elect a chairman. What are you going to do if there is a tie?

DR. CARY: There could not be any tie. How could there be a tie?

DR. STEWART: They elect their chairman. Three for, and three against, and there is a tie. That is a small matter, as far as I am concerned.

This matter of the state boards is a very large one. We had in the delegation here in session nearly twenty state boards represented. The boards which we most needed to get in touch with were not here. We ought to have them in this association, and have their good influence spread over their territory, or we will come far short of our obligation if we do not make provision, when we can so easily. I believe we should authorize a modification of this, to an honorary member, or an associate member, and provide a section which shall describe the privileges of that associate member, that he shall be an associate member by virtue of being a member of a board, but not with power to vote, but to have an active part in that section, and then we will get his influence.

DR. HIGGINS: As far as this particular objection is concerned about veterinary colleges and examining boards, I agree with Dr. Cotton that we want all these men as members if they are eligible, and that provision is now made, with any section; and that provision has been carried out in the past few years; in any section, a man is permitted to take the floor, if he is not a member of the association. There is no doubt but that we could go along and continue to pick holes in what has been prepared. This has been prepared with a great deal of care, and a great deal of thought by a number of men. It seems to me that it is our duty at the present time to accept this, and if we find by tomorrow morning anything is wrong, that can be overcome by giving notice, or motion, handing it in, and it will be voted on next year, really before this becomes effective, as far as it affects any particular individuals, either in the association or out.

DR. R. C. MOORE: I do not believe that Dr. Higgins' argument is very good on that point. A majority vote now will adopt this constitution and by-laws. A year from now it will take a two-thirds or three-quarters vote to change the by-laws and constitution.

DR. HIGGINS: I think that is a very wise precaution.

THE PRESIDENT: As I understand it, Dr. Moore, it takes a two-thirds vote of the members present to adopt this instrument.

DR. REYNOLDS: I have to hurry away to a train, but I have heard a great deal, and I would like to say for Dr. Campbell, I think there is not a single proposition, not a sentence in that little pamphlet which he has just distributed here which was not before the committee, and carefully considered.

THE PRESIDENT: Is there any further discussion?

DR. GRANGE: I would like to ask when this constitution goes into effect? If it take immediate effect, it puts me in a very awkward position, because I had my calendar or catalogue issued, and we are still a three year college this year. I had no idea that this requirement of a four year course would go into effect or be required this year. I was informed yesterday —

DR. CARY: This does not apply until it is adopted next year.

THE PRESIDENT: That does not affect you, doctor.

DR. CARY: Until next year.

DR. BUTLER: I just want to say to Dr. Grange that that is provided for in this original motion, it would not become effective, but as I understand Dr. Klein's motion, he is affected. We have passed an amendment to this which will interfere with your catalogue that has already been issued. But, the report of the committee took care of that, recognizing that that situation already existed.

DR. GRANGE: Well, what is the condition now?

DR. BUTLER: It does interfere with your catalogue already published, because the association amended the report here in Dr. Klein's motion.

DR. GRANGE: Isn't there some way of getting out of that difficulty? I move a reconsideration of Dr. Klein's motion, or vote, on this 1916-1917 matter.

DR. QUITMAN: I will second that.

THE PRESIDENT: It has been moved and seconded that we reconsider the action whereby the amendment offered by Dr. Klein was passed. Are you ready for the question?

DR. KLEIN: I hope this motion will not prevail, because as I stated when I offered my amendment, every veterinary college in the United States but one has increased its course to four years, and the other one is waiting the action of this association..

DR. MAYO: Are you correct in that statement?

DR. KLEIN: Absolutely correct.

DR. MAYO: I think that I can name three that have not gone to a four year course.

DR. MOHLER: I think Dr. Klein is mistaken in saying that there is only one in this country. There are three of them. All the rest have signified their intention of going into the four year course.

DR. KLEIN: Are those three in this association?

DR. MOHLER: Yes.

DR. KLEIN: I am corrected to this extent that there is one college which has been giving a three year course and which has not yet announced the four year course, and that college is awaiting the action of this association. If we approve the four year course beginning in 1916, they will go under a four year course. If we do not, this college will retain a three year course. I did not know that there were two other colleges in this country on the approved list of this association that had not gone to the four year course, because I was informed that all colleges but this one, informed by a man connected with this college, that all colleges but his had gone to the four year course.

THE PRESIDENT: Is there any further discussion on this?

DR. FISH: The committee, I know, wanted to be as fair as possible toward the colleges, and they considered very carefully the points involved in regard to this matter. It does seem to me that it would work a hardship in the case of Dr. Grange, where the announcement has already been made, and where it is too late now to make any provision. In order that justice should be done, I should be in favor of the reconsideration of that motion, and having it, as it read originally, take effect in 1917-1918.

THE PRESIDENT: Anything further?

DR. MAYO: At the New York meeting, this association adopted a regulation requiring students to be graduates of four year courses, that is, for admission to this association beginning with the year 1916-1917. I thought it was a sort of a compromise then, and the colleges with three exceptions in the United States have gone to the four year course, and it seems an injustice to those institutions who have come up and met the requirements of this association as to the requirements for membership, to put this off another year, on account of three. It is a mistake. I fully concur with Dr. Klein's stand in this matter.

THE PRESIDENT: The question is upon the motion to reconsider. Are you ready for the question? All those in favor of the motion will signify it by saying "Aye". Contrary minded, "No". The "Noes" appear to have it; the "Noes" have it, and it is so ordered.

DR. STEWART: I wish to talk to the original motion again. In the by-laws, Article II, Section 5, I find a condition there which is going to lead us into considerable trouble, I believe; going to involve quite a considerable number of schools. That section, if amended by striking out the words "Studies taken in other preparatory schools",—two places in that section, and substitute the words "Education in previous schools, accepted". I make the suggestion of the proposition—I think I had better read it all. This is Section 5:

"The matriculation requirements of an approved veterinary college, beginning with the collegiate year 1914-1915"—that is going back two years—"shall be one year of high school work or equivalent studies taken in other preparatory schools".

That is not the way the old one read. It read, if I remember right, "Or equivalent training". Now —

DR. QUITMAN: It read, "Or its equivalent", Dr. Stewart.

DR. STEWART: The question of what shall be considered as one year of high school work is a very indefinite thing in our section of the country. Many a fellow does high school work that he does not get any credit for. This does not say anything about credit. It is indefinite. I propose that we substitute the word "Education" for the words "Studies taken in other preparatory schools", to pave the way for an agreement, or to pave the way to support this proposition.

DR. MAYO: I hope that this motion will not prevail. As a member of your committee, we visited the colleges this last year, and have looked over the questions that have been put in as a substitute, as an equivalent. It is appalling. I think this ought to read that they should have the equivalent of the amount of high school for two years—or for one year of high school, or four units. We must put something in there to do away with the equivalent, or they will put in blacksmithing or carpentry, or almost anything. There is where the difference of opinion comes, as to what is an equivalent. You must have some sort of a standard, even if it is an arbitrary standard.

I hope this change will not be made. I think it will be a setback, and I think in this day and age where we have schools everywhere, that an individual ought to have one year's high school, or four units.

DR. STEWART: In our state, hundreds of high schools teach blacksmithing, teach carpentry and a number of other vocations, and give students units on that sort of teaching in the high schools. They do in our schools in Kansas City. Furthermore, in Oakland last year, this association adopted a proposition, accepting the Bureau standard for admission, which advanced the old standard from the second grade to the first grade civil service examination. I have read the report over and over again, and they still make that interpretation, though there are others who think they did differently. I have submitted this question of a first grade civil service examination to several people, and they give me the opinion that it is more than the equivalent of one year of high school, or four units. If the civil service first grade examination is not an equivalent, we still have at our disposal another means. This association may appoint a committee to provide a set of questions which this association will consider equal to four high school units; and the man who has not been to a high school, but has advanced his education in other ways, has a chance for admission into a college; not confining it to a high school preparation, because high schools are high schools. If you will go into a study of what is going on in the educational world of this country, you will find that educators are complaining seriously of the work being done in high schools, and that they are not the equivalent one of the other by a long way. Some of them represent little or nothing, and some of them represent a very considerable training. There is not anything standard or definite under the unit system. That is not alone true of the academic high schools. If you will go into the further fields, you will find that the presidents of colleges are complaining seriously, because a degree from one college does not represent the same as a degree from another college.

I do not believe that we shall do wisely to exclude a man from entering a veterinary college who has an education equal to that of one year in high school, if there is any way of demonstrating it. It should be up to this association to make a provision for that fellow, not to keep him out because he is not a graduate from a high school. The language of this section says, "One year's high school work." You could not have had one year's high school work and not get at least one credit. I think that is very weak, and I think that that substitution should be made, and give the other fellow a show.

DR. HOSKINS: May I ask Dr. Stewart, when it goes on to say, "or equivalent studies taken in other preparatory schools", doesn't that cover it very thoroughly?

DR. STEWART: No sir.

DR. HOSKINS: I think so.

DR. KLEIN: I believe there is some justice in Dr. Stewart's presentation. If this clause, or this section is adopted as it stands, it may not be possible in all cases for a college to give entrance examinations, because it reads that the student must have "one year of high school work, or equivalent studies taken in other preparatory schools." Under certain conditions a student, or a candidate for admission must have an opportunity to take the entrance examinations; but in nearly all colleges and universities where entrance examinations are given, they are given only on condition that the candidate for exam-

ination will present a certificate from a tutor that he has prepared himself for the subjects on which he is going to take the examination. I will say to Dr. Stewart, that if he will add that clause to his amendment, that I think will put the matter in very good form. I do not think that any young man should be permitted to come in and take entrance examinations; he should be required to present evidence that he has prepared for those examinations.

THE PRESIDENT: Is there anything further gentlemen. The hour is getting late.

DR. MAYO: I do not want to be misunderstood in this matter. The point I wish to make is to avoid such wide interpretations of "equivalents". In the committee report which I had the honor of presenting, we recommended that this association provide a set of questions that should be satisfactory to the association, and which I believe will meet many of Dr. Stewart's objections in this matter. Just as soon as you put in an equivalent, unless it is carried out by this association, it leaves the individual who holds that examination to say what the equivalent is; and in some cases their judgment on that point is exceedingly weak, in my opinion.

DR. MURPHEY: I want to offer a comment or two on some of the statements that have been made. One of them is in regard to the objection to the clause providing for the association section of faculty and examining boards. I want to explain the difference between the psychology of one man and the majority of the vote of that association which was taken to ask for membership in this association. One man who opposed it, who had the psychology in himself against it, maintained that for several years the idea was to have associate membership, and not membership. There is a difference between the wishes of the members as expressed by vote in asking to become members of this association some three years ago, and the opinion that one man has of what they did. The objections that Dr. Stewart raises, were raised before, but in spite of that, the association of faculties and examining boards asked for membership without any qualification, and the minutes do not show that it was so presented to the A.V.M.A. when it came on the floor.

The term "high school" has been used a number of times very indefinitely. High schools are graded, first, second, third and fourth grades, and if a man says "high school", he ought to say whether he has taken the first, second, third or fourth grade. Of course, it is certain that certain high schools can be criticised; so can any school be criticised. The difference between the carpentry that is done in high schools, and that which is done outside, and the blacksmithing that is done in high schools and that outside is this, the fundamental, psychological principle is that the student is being taught principles and not the art. I think it is the principle that ought to be counted, so that the point that Dr. Klein raises that it must be definite means something. The veterinary student is going to do mental work, and he ought to have some mental training before. You men know something about horses, and horses on the track. You do not think that you are going to put a horse on the track to enter the race unless he has had some preparation, putting him into a condition to run, so that he will have the wind. That is the principle that applies to education just as well. Instead of fooling around with equivalents, let us make some progress.

DR. QUITMAN: A point of information. I would like to ask some member of this committee on revision or Dr. Mayo to make this point clear to me. It says, "Shall be one year of high school work, or equivalent studies taken in other preparatory schools." Suppose you have a student come to a school, have him prove that he attended one year in high school work, and suppose that he fails in his year's work, either in a minor percentage, or in every study. It does not say anything about his having to have a certificate for that year's work, or having to show that he graduated from the year's work, the first year's work, and being entitled to take up the second year's work. I may be dense on that point. It may be by one year's work that he has really graduated from the first year to the second year, but it doesn't say so. You should make this point perfectly plain. I would like to know just what construction you are going to put on that.

DR. CARY: There isn't any doubt about what a high school year means to a high school man. We did not put that very definite, because we wanted to leave some liberal construction, on account of the fact that if we put in there four high school units, which constitute a year, some one would say that we wanted to be too exact. It seems to me this is liberal enough. A year means four high school units. There isn't any question about that among high school men at all. If you want to put the high school units in there, we can substitute that. It was my idea that we would be a little more liberal with you. It looks to me as if this is liberal enough.

THE PRESIDENT: Is there anything further?

DR. CAMPBELL: It seems to me that it is advisable to be very definite in that matter. As stated, that may be a little too inflexible, and it might also be as Dr. Cary suggested what it was. I amend that to read, "Four high school units or an equivalent education, as outlined by the committee on intelligence and education, and approved by the association." It seems to me it would be going a little too far to put the outline in the constitution, and do it right here; but for the committee on education, let them outline just exactly what this equivalent and these four units are, and present that to the association.

DR. HIGGINS: It would seem to me that the more the attempt is made to make any alteration in this constitution and these by-laws, the worse off we get, and I think that will be the case on every objection that is brought up. We cannot here in a meeting properly consider any particular change in any part of this revised constitution and by-laws unless we will take the time to determine what that change means to some other portion. We have not considered it as a whole.

As far as this particular question of units is concerned, although I have not said anything on it before, a high school in the States and a high school in Canada are two different things. What we call a high school in Canada is altogether different from what you call a high school here. I overlooked that fact, because you have the word in there "Equivalent". If we are going to say that one year's high school work means that a man goes in the front door, stays there a year and goes out the back door without passing any examinations, I do not think we need to look at that man. If any school has men of

that character at the present time, they are not men we want to recognize. I believe, as Dr. Cary does, that any man who has done any teaching knows what one year's high school work means. I think we are just wasting time in trying to pick flaws in small matters. It seems to me that one year's high school work, as I understand it here in the United States, is little enough to ask of any man going into a professional course. Is there at the present time any other profession called a learned profession that has requirements lower than this, and it is highly questionable if we permit this last amendment to go, whether we can call ourselves learned in that particular term. Therefore, Mr. President, I call for the question.

THE PRESIDENT: The question is called for. The question is on the adoption of the revised constitution and by-laws as amended by Dr. Klein's amendment. All those in favor of adopting the constitution and by-laws as amended will signify it by saying "Aye". Contrary minded, "No". The "Ayes" have it, and it is so ordered.

DR. CAMPBELL: I wish to offer here a plan of reorganization and revision as an amendment to and revision of the constitution which has just been adopted, to be considered at our next meeting.

THE PRESIDENT: It will take the usual course.

THE SECRETARY: This plan that was offered is the printed constitution and by-laws which have been distributed. I trust it will be permissible to read it by title rather than to read the whole document.

THE PRESIDENT: If there is no objection, such will be the order. Is Dr. Adams ready to report?

DR. CRAIG: There is a gentleman to whom the association, I think, owes a vote of thanks. A man who has always stood for the profession both as individuals and as a body; a man to whom you can always go and always get consideration; a man who was very helpful in the passage of the bill, and that man is Senator Taggart. I would propose the name of Senator Taggart as an honorary member, but I do not believe in that. I think it is due Senator Taggart that this association tender him a vote of thanks. I make a motion to that effect.

DR. BUCKINGHAM: I second the motion.

DR. HOSKINS: I would like to second that motion most heartily. No man I know of who worked in the interest of the passage of the Act creating a veterinary corps in the army, gave more helpful service than Senator Taggart of Indiana.

THE PRESIDENT: It has been moved and seconded that the association tender a vote of thanks to Senator Taggart for his interest in our legislative cause. All those in favor of the motion will signify the same by saying "Aye". Contrary minded, "No". The "Ayes" have it, and it is so ordered. Dr. Adams, are you ready to report?

DR. ADAMS: The resolution committee has the following report: (See Journal, November 1916.)

(Each resolution was voted upon and passed, as read.)

The following discussion was offered in connection with the resolution on county agents:

DR. MOHLER: Before the question is put on this motion, Mr. President, I would like to say a few words in explanation, with the view of showing that the Department of Agriculture has already arranged to adopt the suggestions contained in the resolution. There has been considerable difficulty in outlining the proper and legitimate field of the county agent. Unquestionably the county agent in certain states has done a great deal more than he should in treating diseases of live stock and more than was ever intended by any legislation or by the Department of Agriculture. It has been only recently that the States Relations Service of the Department and the Bureau of Animal Industry have gotten together on common ground for the purpose of outlining the limitations of the county agent along this line. Heretofore, the work of this official has been a question of evolution. He has performed his duties as an individual and has not been limited by any definite regulations or restrictions. Only a few weeks ago this subject was taken up and adjusted promisingly by the States Relations Service and the Bureau of Animal Industry so that at the present time there is an agreement or memorandum of understanding signed by the head officials of these two bureaus as well as by the Secretary of Agriculture by which county agents in the future will be prevented from doing certain work that they have done in the past,—work in tuberculin and mallein testing and other activities which the Government calls regulatory, but which is really veterinary police work. This is not advocated by the Department and it is not the desire of the Department to have county agents perform this character of work, except where they have been authorized to do so by the State regulatory authorities. If the State Veterinarian wishes this work done in this manner, then there is a clause in the memorandum of understanding, which will permit of such action. So it seems to me that this question is now very largely in the hands of the State Veterinarians or live stock sanitary boards. I know in one state that certain county agents have done tuberculin testing where the State Veterinarian has specific regulations controlling this matter and he does not wish to delegate his authority to county agents. I know that in another state the State Veterinarian wishes the county agents to perform the serum simultaneous vaccination for hog cholera. Under the latter condition, of course, the Department will not interfere. But the agreements which I speak of specifically states that in hog cholera work the Department of Agriculture, the States Relations Service and the Bureau of Animal Industry do not wish county agents to demonstrate anything but the serum treatment on account of the danger involved through the promiscuous use of the virus and in no case is the serum-virus treatment to be applied except as authorized by the State Veterinarian. While the serum alone treatment may be demonstrated as a part of the agent's educational work, it is not intended that he should apply even hog cholera serum in a wholesale manner, but only for the purposes of demonstration and education.

DR. ADAMS: A number of other resolutions were introduced. Two of them in the judgment of the committee were held over. One other unfortunately was overlooked by the chairman until the members had separated and I

found that it would require so much reconstruction that it is impossible, to-night, to get it in shape to present it.

THE PRESIDENT: Is there any other unfinished business?

DR. HOSKINS: May I ask if there is any report from the committee on Drugs?

THE PRESIDENT: Or advertising?

DR. HOSKINS: No; we have a committee on the advertising of veterinary remedies.

THE PRESIDENT: Dr. Jacob, did you have any report?

DR. JACOB: I believe that Dr. Adams had it in the form of a resolution.

THE PRESIDENT: It went in, in the form of a resolution?

DR. JACOB: That is the one that he held up.

DR. HOSKINS: It seems to me that the time has arrived when this association, for the protection of its now 2500 members, through this committee might take up the question of the standardization of drugs, and likewise might take up the consideration of the advertisements by biological product houses, and of the statements that they send forth. We have, for instance, one large house in our country advertising a perfectly clear serum, and claiming for it the high efficiency and potency of other serum. We have another very large house that indicates in their advertisements that a clear serum cannot be prepared and retain sufficiency and potency. It seems to me that our committee on the advertising of remedies ought to take up this work and bring back some recommendations by which those houses that are doing excellent work may be encouraged, and that we may have some guide in the selection of these remedies or these products, and only support those that are doing the highest class of work. I do not offer this as a resolution.

DR. JACOB: I would like to ask Dr. Adams whether that was one of the resolutions that he held over?

DR. ADAMS: Yes. I have it. I hold in my hand a recommendation made by the special committee on veterinary advertisements. Unfortunately, several members of our committee escaped before this was put before them, so that if I read it tonight, it will not have the full recommendation of our committee. It may be well just at this time to thresh the matter out. I am perfectly willing to read the recommendation made by the committee. I started to reconstruct it. I thought, as a member of our committee that it was a little too drastic in the penalties inflicted, but of course, I am only one. I will read it, just as it was recommended by the committee.

"The special committee on advertisements of veterinary remedies recommended that the following resolution be adopted by this association:

"Resolved, That misleading claims for biological products will not be tolerated by this association; and furthermore, be it

"Resolved, that any member of this association who as a member of a firm or corporation which allows false or misleading claims to be made, shall be expelled.

"Resolved, that as a standard, the federal regulations governing biological products be adopted."

That is the substance, with a little reconstruction.

DR. JACOB: Have you the original here, Dr. Adams?

DR. ADAMS: Here it is. You read it.

DR. JACOB: The original, as it was handed to Dr. Adams is as follows:

It has been scratched up a little, and I may not be able to get it just exactly the way that we had it.

"The special committee on advertisements of veterinary remedies, recommends that the following resolution be adopted by this association:

"Resolved, That misleading claims for biological products should not be tolerated by this association, and any official of any firm or corporation who is a member of this association and allows such claims to be made, the same shall be sufficient reason for rejection or expulsion from this association; and this association should accept the federal regulations governing biological products as a standard of application."

DR. ADAMS: I tried to give the substance of all you read, and put it in a form that would not be misleading.

THE PRESIDENT: Do you desire to make a recommendation, Dr. Adams, in regard to this?

DR. QUITMAN: In the way it was read by Dr. Adams, I do not think it expressed the same intention as it expressed by the original read by Dr. Jacob. Its recommendation as to the regulations governing biological products, is good, but most of those manufacturers are licensed establishments, and come under this regulation. It takes care, mainly, of those who permit the sale of biological products without license.

DR. ADAMS: I did not get that meaning from the letter. I stand corrected if that meaning is there.

THE PRESIDENT: Do you desire to take any action on this?

(It was moved that the resolution as read by Dr. Jacob be adopted, which motion was seconded.)

THE PRESIDENT: It has been regularly moved and seconded that the resolution as read by Dr. Jacob be adopted. Are you ready for the question? All those in favor will signify it by saying "Aye". Contrary minded, "No". The "Ayes" have it, and it is so ordered.

Is there any other unfinished business?

DR. STEWART: I wish to offer a resolution to amend the by-laws, I haven't it worded very clearly, but I will read it to you, and then I will get it signed.

"Resolved; that the by-laws be amended by adding after the words 'high school work', the words, 'or pass an examination equal to the first grade civil service examination', as found in Section 5, Article II of the by-laws."

THE PRESIDENT: It will take the usual course. Is there any further new business to come before this association? If not, we will proceed to the installation of officers. I will appoint Drs. Marshall and Hughes to escort the newly elected president to the platform.

(This was done amid applause.)

THE PRESIDENT: Dr. Cotton, it gives me great pleasure to present to you the emblem of your authority. May you use it with judgment and discretion, and may your administration be an entire success.

DR. COTTON: I have not sufficient command of the English language or vocabulary sufficient to express my appreciation of this honor which you have conferred upon me tonight. I realize the duties that are involved in this position, and in the face of the new constitution and by-laws, I hesitate. I am simply a common, everyday practitioner. I have no affiliation with schools, or executive positions. I will undertake to fill this position, but, gentlemen, I certainly shall need the support of every member of this association. This is going to be one of the hardest years under this new regime, under the new constitution and by-laws, and it is with hesitancy that I undertake to perform the duties of this office. I will surely need the support of all my loyal friends. I thank you again, for this great honor.

Is Dr. Dunphy in the audience? (No response. Dr. Bolser? (No response). Dr. Howard? (No response). Is Dr. Hadwen present?

DR. S. HADWEN: Mr. President, and gentlemen: I am very pleased and proud of the honor that you have conferred upon me, and I am especially pleased to take it back to Canada. I only hope that I will be able to live up to the reputation of the standard set by my predecessors in office.

DR. COTTON: Dr. Moore was suddenly called home yesterday morning, and I am sure that he is not present. Dr. Merillat. I will appoint Drs. Mayo and Stewart to escort Dr. Merillat to the platform.

DR. MERILLAT: Mr. President and Gentlemen: I beg to thank you all very sincerely for the honor of being elected to this high office and promise that the duties will be done as well as I am capable of doing them. Since Dr. Mayo divided the honors so evenly in this election I am in a more secure position than my worthy superior, Dr. Cotton, who was unanimously elected. A great deal must be expected of a president that is elected without opposition.

I hope very sincerely indeed to be able to help the president and the other administrative officers to untangle some of the knotty problems that will arise from the laws you have just adopted in the form of an entirely new constitution. Let us hope we shall be able to unravel them to the full satisfaction of every member of the association.

DR. COTTON: I wish to congratulate the members for giving me such an able assistant, for I assure you I shall need his assistance. Is Dr. Schneider in the room? I do not think Dr. Schneider needs any introduction to you gentlemen.

DR. SCHNEIDER: Mr. President, and Fellow Members: Words cannot express my appreciation on being elected as treasurer of an association of this kind, but I can assure you that I will fulfill my duties of the office to which you have elected me, to the best of my ability. I thank you.

DR. COTTON: Is Dr. Frost in the room? (No response). Is there any further business to be offered? Is there any unfinished business or any new business? If not, a motion to adjourn is in order.

DR. MAYO: I move that we adjourn.

(This was seconded, and on being put by Dr. Cotton, prevailed.)

(Adjournment sine die.)

CONSTITUTION AND BY-LAWS OF THE A. V. M. A.

CONSTITUTION

ARTICLE I.

Section 1. This organization shall be known as the AMERICAN VETERINARY MEDICAL ASSOCIATION.

ARTICLE II.

OBJECTS

Section 1. The objects of this association are:

(a) To protect and promote the professional interests of the veterinarian.

(b) To elevate the standard of veterinary education.

(c) To procure the enactment and the enforcement of uniform laws and regulations relative to veterinary practice and the control of animal disease.

(d) To direct public opinion regarding problems of animal hygiene.

(e) To promote good fellowship in the profession.

ARTICLE III.

MEMBERS

Section 1. Membership in this association shall be of two kinds—Active and Honorary.

ACTIVE MEMBERS

Section 2. Active members must be graduates of veterinary colleges approved by the association and recommended by the Executive Board and elected to membership in accordance with the By-laws.

A member who has been in good and regular standing for twenty-five years, shall receive the title of Fellow of the American Veterinary Medical Association. A certificate of such fellowship shall be issued by the secretary.

HONORARY MEMBERS

Section 3. Honorary membership may be conferred upon any person resident in any part of the world, who has rendered valuable service to Veterinary Science. A person presented for Honorary Membership must be recommended by the Committee on In-

telligence and Education, and elected by three-fourths majority vote of the active members present at a regular meeting. They shall have all the privileges of active members, except that they shall not pay dues, hold office nor vote, nor have any right or title to or interest in any real or personal property of the association. Not more than three Honorary Members shall be elected in one year.

ARTICLE IV.

MEETINGS

Section 1. Meetings of the association shall be regular and special. The regular meeting shall be held annually. It shall be convened not earlier than July 15th, nor later than the 31st of December of each year, unless otherwise ordered by a two-thirds vote of the members of the association, and notice of the selection shall be given to each member by the secretary at least sixty days before the date of the meeting, or at such time as may be designated by a special election held in accordance with the By-laws.

The time, place and duration of the regular meeting shall be fixed by the Executive Board unless otherwise ordered by the association at a regular meeting. Special meetings may be called by the President upon request in writing of not less than 200 active members. The time, place and purpose of special meetings shall be designated in the call.

ARTICLE V.

OFFICERS

Section 1. The officers of the association shall consist of a President, Five Vice-Presidents, a Secretary, a Treasurer, and an Executive Board. They shall be elected at the regular annual meeting, and hold office, except the Executive Board, for one year from the date of their election, or until their successors are elected and have assumed office. No person shall be eligible to the office of the President, Vice-President, Secretary or Treasurer unless he has been a member in good standing for the five years preceding his election.

PRESIDENT

Section 2. The President shall preside at all meetings of the association. At the regular annual meeting he shall be expected to deliver a short address. The President shall appoint members of committees and all officers whose appointments are not otherwise

provided for; he shall perform such other duties as ordinarily devolve upon a president. He shall not be eligible for re-election.

VICE-PRESIDENTS

Section 3. In case of death or resignation of the President, or in case of his inability to perform the duties of his office from any cause, the same shall devolve upon the Vice-President in seniority for the remainder of the unexpired term, or until the disability be removed.

SECRETARY

Section 4. The Secretary shall perform all the clerical duties of the association, and be custodian of all its property except money, and the properties of the official Journal office. All moneys received by him shall be paid monthly to the Treasurer. He shall receive such salary and allowance as may be recommended by the Executive Board and approved by the association.

He shall give bond to the association in the sum of five thousand dollars (\$5,000), to be approved by the Executive Board. He shall present a written report at the regular annual meeting.

TREASURER

Section 5. The Treasurer shall account to the association for all moneys received. He shall give bond to the association in the sum of ten thousand dollars (\$10,000), approved by the Executive Board. At the expiration of his term of office he shall account for and turn over to his successor in office all moneys, vouchers and account books belonging to the association.

The Treasurer shall pay out moneys only on vouchers countersigned by the President and Secretary, excepting minor expenses of the Secretary, and such revolving fund allowance as may be placed at the disposal of the Editor and Manager of the "Journal" by the Budget Committee.

The treasurer shall at the regular annual meeting present a written detailed statement with vouchers covering all receipts and expenditures.

PROPERTIES

Section 6. All officers shall, at the expiration of their terms of office, turn over all property of the association to their successors.

EXECUTIVE BOARD

Section 7. The Executive Board shall consist of six members, one from each Executive Board district and one member at large and it shall elect annually its own chairman.

Each member of the Executive Board shall hold office for five years, except the district members first elected under this Constitution. Those first elected from the First, Second, Third, Fourth and Fifth Districts shall hold office respectively for One, Two, Three, Four and Five Years from the date of the election.

The Executive Board shall constitute the Administrative Body of the association, and shall make all necessary regulations for carrying into effect the provisions of this Constitution and the By-Laws.

Unless otherwise provided for, the Executive Board shall select the time, duration and place for holding the annual meetings, and shall make necessary arrangements therefor.

The Executive Board shall pass upon the eligibility of all candidates for membership and report their recommendations to the association. Four members of the Executive Board shall constitute a quorum for the transaction of business.

The Executive Board shall act upon and report promptly on all recommendations of the President of the association and resolutions or other matters duly referred to them by the association, or sections thereof.

On the written request of at least one hundred members of the association, the Executive Board shall submit any question to the whole membership for decision by mail ballot. All ballots returned to the Secretary shall be signed by the active members voting and said ballots shall be retained by the secretary for at least two years after they have been counted. All mail ballots on specific questions, nominations and elections shall be of the same date and issue. Ballots not signed, and ballots not returned within sixty days after date of issue, shall not be counted.

Accurate records shall be kept by the Secretary of the association of all meetings of the Executive Board.

A summary of such records shall be published in the proceedings and distributed to the members, except when the Executive Board deems it for the best interests of the association to temporarily withhold from such publication and distribution such records or any part thereof.

Itemized accounts of all disbursements, with the purpose thereof and records of votes shall never be withheld from publication.

The Executive Board shall have full discretion to withhold from the "Journal" in whole or in part any paper or part of proceedings that may be referred to the Board by the association or by the editor.

It shall be the duty of the Executive Board to consider and recommend yearly to the association concerning the selection of an Editor and Business Manager of the "Journal" of the American Veterinary Medical Association. The Editor and Business Manager of the said "Journal" shall receive such salary and allowances as may be recommended by the Executive Board and approved by the association.

The Executive Board shall have the "Journal" accounts audited by a qualified accountant annually or oftener if deemed necessary, and submit annually to the association a financial statement including inventory.

The Executive Board shall be vested with power to hear all complaints filed before it in writing relative to the improper conduct of any member, and shall if thought advisable, summon the member so charged to appear before it at the next annual meeting of the association, to answer the charges and make defense. If the Board find the defendant guilty as charged, said Executive Board shall report at once to the association a summary of the charges and evidence submitted on both sides, together with such recommendations as may be deemed wise; but no public report of such charges or evidence shall be made by the Board or any member thereof until after trial by the Executive Board.

EXECUTIVE BOARD DISTRICTS

Section 8. There shall be five Executive Board Districts as follows:

District No. 1 shall consist of Canada.

District No. 2 shall consist of Wisconsin, Illinois, Michigan, Indiana, Ohio, Pennsylvania, New York, the New England States, New Jersey and Delaware.

District No. 3 shall consist of Kentucky, West Virginia, Virginia, Maryland, District of Columbia, Tennessee, North Carolina, South Carolina, Georgia, Alabama, Mississippi, Florida, Cuba, South America.

District No. 4 shall consist of Alaska, Washington, Montana, North and South Dakota, Minnesota, Iowa, Nebraska, Wyoming, Idaho, Oregon, Philippines, and Hawaii.

District No. 5 shall consist of California, Nevada, Utah, Colorado, Kansas, Missouri, Arkansas, Oklahoma, Louisiana, Texas, New Mexico, Arizona, Mexico, and Central America.

VACANCIES AND REMOVALS

Section 9. The President shall fill any vacancies in the Executive Board from the district in which such vacancy occurs, and said appointee shall hold office until a special election of the district may be held.

If a member of the Executive Board removes from his district, such removal shall automatically cause a vacancy.

Vacancies in the office of Secretary or Treasurer shall be filled by appointment for the unexpired term by the President.

The Executive Board may for dishonesty or incompetence, remove the Secretary or Treasurer from office upon approval of the President.

EXECUTIVE BOARD MEETINGS

Section 10. The Executive Board shall hold its regular session at the time and place of the annual meeting of the association. Special meetings may be called by the Secretary upon written request of 5 members of the Executive Board.

ARTICLE VI.

Any amendments to this Constitution shall be proposed in writing at an annual meeting, but shall not be acted upon until the next following annual meeting, nor shall it be adopted finally except by the votes of at least two-thirds of the members present and voting.

BY-LAWS.

ARTICLE 1.

ORDER OF BUSINESS

Section 1. The following shall be the order of business, except as otherwise provided:

1. Call to order by the President.
2. President's address.
3. Presentation and adoption of minutes.

4. Report of the Executive Board.
5. Admission of New Members.
6. Election of Officers.
7. Reports of Officers.
8. Reports of Committees.
9. Unfinished Business.
10. New Business.
11. Installation of Officers.

Section 2. All meetings of the association shall be governed by Roberts' Rules of Order when not in conflict with the By-Laws.

ARTICLE 2.

APPLICATION FOR MEMBERSHIP

Section 1. Application for membership in the association shall be made on blank forms approved by the Executive Board. The application blanks filled out and signed by the applicant in his own hand writing shall be mailed or delivered to the Secretary, who shall present the same to the Executive Board for final action. An application to be considered must have been endorsed by two members in good standing, one of whom shall be a resident of his own state and must be accompanied by the membership fee and one year's dues. If the applicant is a practitioner he shall have satisfied the legal requirements for practice in the state in which he resides.

Section 2. Except as provided in Sections 3, 4, and 5, of this Article, only those veterinarians may be admitted to active membership who have spent not less than three collegiate years in the study of veterinary medicine and have been duly graduated from an accredited veterinary college conforming to the requirements of regulations 1 to 19 inclusive of Bureau of Animal Industry, Circular No. 150, as printed on pages 175 to 182 of Proceedings of the forty-ninth annual meeting of the A. V. M. A., 1912.

Section 3. A graduate of a veterinary college which, at the time of his graduation, did not maintain an educational standard in conformity with the active membership requirements of this association, may upon recommendation of the Executive Board, be elected to membership, provided he has been duly graduated not less than five years prior to the date of application, and further, that the college has ceased to graduate veterinarians contrary to the standards now fixed by this association.

Section 4. Except as provided for in Section 3, only those veterinarians may be elected to active membership who have spent not less than 28 months in not less than four collegiate years in the study of veterinary medicine, beginning with the session 1916-1917, and have been duly graduated from an approved veterinary college.

Section 5. The matriculation requirements of an approved veterinary college, beginning with the collegiate year 1914-1915, shall be one year of high school work or equivalent studies taken in other preparatory schools. Beginning with the collegiate year 1918-1919, said requirements shall be two years of high school work or equivalent studies taken in other preparatory schools.

Section 6. All candidates for membership favorably reported to the association by the Executive Board, shall be balloted upon and a three-fourths vote in the applicant's favor will entitle him to active membership.

ARTICLE 3.

Section 1. Notice of the time and place of holding the regular meeting shall be announced at least three months before the date fixed for the meeting.

Section 2. Notice of the time and place of holding a special or adjourned meeting shall be mailed to each active member at least twenty days before the date fixed for the meeting. No business shall be transacted at special meetings which was not clearly and definitely stated in the call convening such meeting.

Section 3. The general sessions of the association shall be held at 2:00 P. M. each day, except the first. On the first day of the annual meeting there shall be a session at 10:00 A. M.

The sections of the association shall hold their meetings at 9:00 A. M. each day, except the first day, when they shall convene at 2:00 P. M. Night sessions may be convened by consent of the membership of any section.

ARTICLE 4.

QUORUM

Section 1. Twenty-five percent of the members of the association registered at any meeting shall constitute a quorum for the transaction of business.

ARTICLE 5.

DUES

Section 1. There shall be an initiation fee of five (\$5.00) dollars. The annual dues shall be five (\$5.00) dollars, payable in advance on the first day of January. Honorary members shall pay no dues.

ARTICLE 6.

DELINQUENCY

Section 1. Any member who for two years fails to pay his annual dues shall forfeit his membership thirty days after notification from the Secretary has been mailed to his last known address.

ARTICLE 7.

REINSTATEMENT

Section 1. A member who has forfeited his membership for non-payment of dues, may be reinstated by the Executive Board upon payment of his entire indebtedness to the association.

Section 2. A member who loses his membership for a reason other than non-payment of dues may be reinstated only by application as in the case of new members.

ARTICLE 8.

NOMINATIONS

Section 1. Nominations for office, except as otherwise provided for shall be made orally. A nominating speech shall not exceed two minutes and the nominations shall not be closed until every member present has had an opportunity to present his candidate.

ARTICLE 9.

ELECTION OF OFFICERS

Section 1. A majority of all the votes cast shall be necessary to elect. If no nominee receives a majority of the votes on the first ballot, the nominee who receives the lowest number of votes shall be dropped and a new ballot shall be taken, and so on until a nominee receives a majority.

Section 2. The officers of the association shall be elected at the afternoon session the second day of the annual meeting.

ARTICLE 10.

ELECTION OF MEMBERS OF EXECUTIVE BOARD

Section 1. Six months before the annual meeting at which a member of the Executive Board is to be elected, the Secretary of

the association shall send to each member in that district a statement that a member of the Executive Board is to be elected and ask for a nomination to be sent to the Secretary at least four months before the annual meeting. The Secretary shall make a list of the names of the highest five, who shall constitute the nominees for membership on the Executive Board in that district. Each member of the district must send his ballot for the nominee of his choice to the Secretary two months before the annual meeting. The nominee shall be voted upon by mail ballot. A plurality only shall be necessary to a choice. In case of a tie the members from the district attending the annual meeting shall decide by ballot at a meeting of the members from the district called by the President.

The member at large shall be elected by ballot at the regular annual meeting.

ARTICLE 11.

INSTALLATION

Section 1. The officers of the association shall assume their duties at the close of the annual meeting at which they are elected.

ARTICLE 12.

SECTIONS

Section 1. The association shall be divided into the following sections:

- A. Practice and Surgery.
- B. Sanitary Science and Police.
- C. Veterinary Colleges and Examining Boards.

The Executive Board may make additional sections as deemed expedient.

SECTION OFFICERS

Section 2. The officers of each section shall consist of a chairman and a secretary. They shall be elected by the members of the section. They shall serve one year and until their successors are elected and have assumed office.

CHAIRMAN OF SECTION

Section 3. The chairman shall preside at all meetings of the section and shall perform the usual duties belonging to such office. He shall co-operate with the Secretary of the section in arranging the program and shall see that proper arrangements have been made for the carrying out of the same.

SECRETARY OF SECTION

Section 4. The secretary shall keep an accurate record of the proceedings of the section. He shall, in co-operation with the Chairman, arrange the program of the section for the annual meeting. He shall send the program to the Secretary of the association at least forty days before the annual meeting for insertion in the program of the association.

LENGTH OF PAPERS

Section 5. A maximum of twenty minutes will be allowed for the presentation of a paper, and five minutes for each speaker taking part in a discussion. The author will be allowed a reply to questions and criticisms at the end of the discussion.

PAPERS READ BY TITLE

Section 6. No paper shall be published as having been read before a section unless it has actually been read, or unless the section shall vote to have it read by title.

PROPERTY IN PAPERS

Section 7. All papers and reports of any nature presented to the Association or to any section shall be the property of the association, if approved for publication. Consent from the Executive Board must first be obtained to permit the author of any paper to publish his paper prior to its publication in the official Journal.

ARTICLE 13.

EDITOR AND BUSINESS MANAGER

Section 1. The Editor and Business Manager, which positions may be held by the same individual shall perform the usual duties of such positions in connection with the official organ of the association.

The Journal of the American Veterinary Medical Association shall publish the proceedings, transactions, papers, etc., and such other matters as the editor may select.

ARTICLE 14.

INVITED GUESTS

Persons not eligible to membership in the association may be invited by any member to attend the annual meeting of the association, or the meetings of a section.

ARTICLE 15.

REGISTRATION

Section 1. No member may vote at a regular meeting until he has registered and paid his entire indebtedness to the association.

ARTICLE 16.

HONORARY MEMBERS

Section 1. Nominations for honorary membership shall be made in writing and submitted to the association not later than the second day of the annual meeting. An interval of at least twenty-four hours shall elapse between the nomination and the election.

ARTICLE 17.

STANDING COMMITTEES

Section 1. There shall be the following Standing Committees consisting of five members each except as otherwise provided:

1. Budget.
2. Intelligence and Education.
3. Legislation.
4. Necrology.
5. Resolution.
6. Audit.

The Committee on Budget shall consist of the President, Secretary, Treasurer and Chairman of the Executive Board. It shall be the duty of the committee to consider the financial resources of the association and proposed expenditures. This committee shall report its recommendations to the association for ratification before the close of the meeting.

The Committee on Intelligence and Education shall consist of five members to be appointed by the President to serve for a period of five years, except at the outset one member shall be appointed for a period of one year, one for two years, one for three years, one for four years, and one for five years. This committee shall elect annually its own chairman. It shall be the duty of the committee to report annually upon the progress and needs of veterinary education. It shall inspect veterinary colleges as it may deem necessary or as directed by the association; and shall annually recommend a list of veterinary colleges for recognition by the association.

The Committee on Legislation shall consist of five members to be appointed in the same way and for the same terms as the Committee on Intelligence and Education.

ARTICLE 18.

RESIDENT SECRETARIES

Section 1. Each state, territory, province or country may have a Resident Secretary appointed by the President.

Section 2. Each Resident Secretary shall co-operate with the Committee on Intelligence and Education and shall aid the President and Secretary in such a manner as they may direct.

ARTICLE 19.

ETHICS

Section 1. Members of this association are expected to conduct themselves at all times as professional gentlemen. Any flagrant violation of this principle shall be considered by this association as unprofessional conduct, and on written charges filed with the Executive Board, may subject the violator to suspension or expulsion as provided in Article 5, Section 7, of the Constitution.

ARTICLE 20.

AMENDMENT TO BY-LAWS

Section 1. The By-Laws of this association may be amended at any annual meeting by the same procedure as provided for amending the Constitution.

Section 2. The By-Laws may be suspended temporarily by a vote of three-fourths majority, but such suspension shall not apply to Section 1, Article 19, and Section 1, Article 20.

Section 3. Officers elected under the old Constitution and By-Laws shall constitute the first set of officers under the new organization in so far as provided for in the new Constitution and By-Laws.

Section 4. The Secretary of the association shall proceed at once to take the necessary steps for the nomination and election of the Executive Board as provided in Section 1, of Article 10, of the By-Laws.

MEETINGS OF THE ASSOCIATION.

1863. First Meeting, New York, N. Y., June 9 and 10.
1864. Semiannual (comitia minora)—New York, N. Y., Jan. 19.
Annual—New York, N. Y., September 6.
1865. Semiannual—New York, N. Y., March 7.
Annual—Boston, Mass., September 5.
1866. Semiannual—New York, N. Y., March 5 and 6.
Annual—New York, N. Y., September 4.
1867. Semiannual—Boston, Mass., March 5.
Annual—New York, N. Y., September 3.
1868. Semiannual—New York, N. Y., March 5.
Annual—Boston, Mass., September 1.
1869. Semiannual—Boston, Mass., March 16.
Annual—New York, N. Y., September 21.
1870. Semiannual—Philadelphia, Pa., March 15 (no quorum).
Annual—New York, N. Y., September 20.
1871. Semiannual—Boston, Mass., March 21.
Annual—New York, N. Y., September 19.
1872. Semiannual—Boston, Mass., March 16.
Annual—New York, September 17.
1873. Semiannual—Boston, Mass., March 17.
Annual—New York, N. Y., September 16.
1874. Semiannual—Boston, Mass., March 17.
Annual—Not held, owing to error in date of notices sent out.
1875. Semiannual—Boston, Mass., March 25.
Annual—New York, N. Y., September 21.
1876. Semiannual—Boston, Mass., March 21.
Annual—New York, N. Y., September 10.
1877. Semiannual—Boston, Mass., March 20.
Annual—New York, N. Y., September 18.
1878. Semiannual—Boston, Mass., March 19.
Annual—New York, N. Y., September 17.
1879. Semiannual—Boston, Mass., March 18.
Annual—New York, N. Y., September 16.
1880. Semiannual—Boston, Mass., March 16.
Annual—New York, N. Y., September 1.
1881. Semiannual—Boston, Mass., March 13.
Annual—New York, N. Y., September 20.
1882. Semiannual—Boston, Mass., March 21.
Annual—New York, N. Y., September 19.
1883. Semiannual—Boston, Mass., March 20.
Annual—New York, September 18.
1884. Semiannual—Boston, Mass., March 18.
Annual—Cincinnati, Ohio, September 16.
1885. Semiannual—Boston, Mass., March 17.
Annual—New York, N. Y., December 15.

1886. Semiannual—Boston, Mass. No legal meeting held (no quorum).
Annual—New York, N. Y., September 21.
1887. Semiannual—Philadelphia, Pa., March 15.
Annual—New York, N. Y., September 20.
1888. Semiannual—Baltimore, Md., March 20.
Annual—New York, N. Y., September 18.
1889. Semiannual—Boston, Mass., March 19.
Annual—Brooklyn, N. Y., September 17.
1890. Chicago, Ill., September 16 and 17.
1891. Washington, D. C., September 15 and 16.
1892. Boston, Mass., September 20, 21 and 22.
1893. Chicago, Ill., October 17, 18, 19 and 20.
1894. Philadelphia, Pa., September 18, 19 and 20.
1895. Des Moines, Iowa, September 10, 11 and 12.
1896. Buffalo, N. Y., September 1, 2 and 3.
1897. Nashville, Tenn., September 7, 8 and 9.
1898. Omaha, Neb., September 6, 7 and 8.
1899. New York, N. Y., September 5, 6 and 7.
1900. Detroit, Mich., September 4, 5 and 6.
1901. Atlantic City, N. J., September 3, 4 and 5.
1902. Minneapolis, Minn., September 2, 3 and 4.
1903. Ottawa, Canada, September 1, 2, 3 and 4.
1904. St. Louis, Mo., August 16, 17, 18 and 19.
1905. Cleveland, Ohio, August 15, 16, 17 and 18.
1906. New Haven, Conn., August 21, 22, 23 and 24.
1907. Kansas City, Mo., September 10, 11, 12 and 13.
1908. Philadelphia, Pa., September 8, 9, 10 and 11.
1909. Chicago, Ill., September 7, 8, 9 and 10.
1910. San Francisco, Cal., September 6, 7, 8 and 9.
1911. Toronto, Canada, August 21, 22, 23 and 24.
1912. Indianapolis, Ind., August 27, 28, 29 and 30.
1913. New York, N. Y., September 1, 2, 3, 4 and 5.
1914. No meeting.
1915. Oakland, Cal., August 30, 31, September 1 and 2.
1916. Detroit, Mich., August 21, 22, 23, 24 and 25.

PRESIDENTS

- 1863-1864. J. H. Stickney, Massachusetts.
- 1864-1865. A. S. Copeman, New York.
- 1865-1866. C. M. Wood, Massachusetts.
- 1866-1867. R. H. Curtis, New York.
- 1867-1869. R. Wood, Massachusetts.
- 1869-1871. E. F. Thayer, Massachusetts.
- 1871-1875. A. Large, New York.
- 1875-1877. A. Liautard, New York.

1877-1879.	C. P. Lyman, Massachusetts.
1879-1881.	J. L. Robertson, New York.
1881-1883.	W. Bryden, Massachusetts.
1883-1885.	W. B. E. Miller, New Jersey.
1885-1886.	L. McLean, New York.
1886-1887.	A. Liautard, New York.
1887-1889.	R. S. Huidekoper, Pennsylvania.
1889-1890.	C. B. Michener, New York.
1890-1892.	R. S. Huidekoper, Pennsylvania.
1892-1893.	W. L. Williams, Indiana.
1893-1896.	W. Horace Hoskins, Pennsylvania.
1896-1897.	F. H. Osgood, Massachusetts.
1897-1898.	D. E. Salmon, District of Columbia.
1898-1899.	A. W. Clement, Maryland.
1899-1900.	Leonard Pearson, Pennsylvania.
1900-1901.	Tait Butler, Indiana.
1901-1902.	J. F. Winchester, Massachusetts.
1902-1903.	S. Stewart, Missouri.
1903-1904.	R. R. Bell, New York.
1904-1905.	M. E. Knowles, Montana.
1905-1906.	W. H. Lowe, New Jersey.
1906-1907.	James Law, New York.
1907-1908.	W. H. Dalrymple, Louisiana.
1908-1909.	J. G. Rutherford, Ontario, Can.
1909-1910.	A. D. Melvin, District of Columbia.
1910-1911.	G. H. Glover, Colorado.
1911-1912.	S. Brenton, Michigan.
1912-1913.	J. R. Mohler, District of Columbia.
1913-1915.	C. J. Marshall, Pennsylvania.
1915-1916.	R. A. Archibald, California.
1916-1917.	C. E. Cotton, Minnesota.

SECRETARIES.

1863.	A. Liautard, New York.
1864.	R. Jennings, New York.
1865-1867.	C. Burden, New York.
1867-1869.	J. F. Budd, New York.
1869-1874.	J. L. Roberston, New York.
1874-1877.	J. D. Hopkins, New Jersey.
1877-1880.	A. A. Holcomb, New York.
1880-1888.	C. B. Michener, New York.
1888-1893.	W. Horace Hoskins, Pennsylvania.
1893-1894.	T. J. Turner, Missouri.
1894-1895.	Leonard Pearson, Pennsylvania.
1895-1902.	S. Stewart, Kansas and Missouri.
1902-1906.	John J. Repp, Iowa and Pennsylvania.
1906-1910.	Richard P. Lyman, Connecticut and Missouri.

1910-1913. C. J. Marshall, Pennsylvania.
 1913-1915. Nelson S. Mayo, Illinois.
 1915-1916. C. M. Haring, California.
 1916- L. A. Merillat, Illinois.

OFFICERS, 1916-1917.

PRESIDENT

C. E. Cotton Minneapolis, Minn

FIRST VICE-PRESIDENT

G. W. Dunphy East Lansing, Mich.

SECOND VICE-PRESIDENT

F. A. Bolser New Castle, Ind.

THIRD VICE-PRESIDENT

Seymour Hadwen Agassiz, B. C.

FOURTH VICE-PRESIDENT

V. A. Moore Ithaca, N. Y.

FIFTH VICE-PRESIDENT

L. H. Howard Boston, Mass.

EXECUTIVE BOARD

(To serve until their successors are elected).

F. Torrance, 1st District; Jos. Hughes, 2d District; J. R. Mohler, 3d District; H. E. Bemis, 4th District; R. A. Archibald, 5th District; V. A. Moore, Member at large.

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S. H. Ward, L. A. Klein, G. H. Hart, R. C. Moore, N. S. Mayo

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 M. Jacob, A. T. Kinsley

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 C. C. Mix, C. D. McGilvray

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J. G. Wills, chairman T. E. Munce, secretary

SECTION ON GENERAL PRACTICE

T. H. Ferguson, chairman J. H. Blattenberg, secretary

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(Exofficio Membership)

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HONORARY MEMBERS

Adami, George J., Montreal Que.
Bang, Prof. Dr. B., Royal Vet. College, Copenhagen, Denmark.
Biggs, Prof. H. M., Bellevue Med. College, New York, N. Y.
Chauveau, Prof. A., Lyons, France.
Dorset, Marion, Bio-Chemic Div., B.A.I., Washington, D. C.
Evans, W. A., 906 Tribune Bldg., Chicago, Ill.
Hay, Hon. James, House of Rep., Washington, D. C.
Hoard, Hon. W. D., Fort Atkinson, Wis.
Hoare, E. Wallis, 18 Cook St., Cork, Ireland.
Hobday, Prof. Frederick, 165 Church St., Kensington, W., London, England.
Hutyra, Prof. Francis, Royal Vet. High School, Budapest, Hungary.
LeClainche, Prof. E., Toulouse, France.
Liautard, A., 14 Avenue de l'Opera, Paris, France.
McEachran, D., 6 Union Ave., Montreal, Que.
M'Fadyean, Prof. Sir John, Great College St., Camden Town, London, England.
Moller, Herr Prof. H., Thierärzlichen Hochschule, Berlin, Germany.
Ostertag, Prof. Robert, Imperial Board of Health, Berlin, Germany.
Perroncito, Prof. E., Royal Vet. College, Turin, Italy.
Ravenel, Mazyek P., University of Missouri, Columbia, Mo.
Raymond, J. H., Polhemus Memorial Clinic, Brooklyn, N. Y.
Schmidt, Mr. I. I., Kolding, Denmark.
Smith, Prof. Theobald, Rockefeller Institute, Princeton, N. J.
Stockman, Sir Stewart, Board of Agriculture, London, England.
Tsuno, Dr. K., Vet. Dept. Imperial Univ., Tokio, Japan.
Vallee, H., Alfort France.
Welch, W. H., Johns-Hopkins, Univ., Baltimore, Md.
Wilcox, E. V., Dept. of Agriculture, Honolulu, Hawaii.
Woodward, William C., Health Office, Washington, D. C.

ACTIVE MEMBERS

FELLOWS.

Ackerman, E. B., 367 Flushing Avenue, Brooklyn, N. Y.
Allen, F. S., 221 Main Street, Nashua, N. H.
Ambler, H. B., Chatham, N. Y.
Baker, A. H., 2537 South State Street, Chicago, Ill.
Bath, H. W., 270 Lafayette Avenue, New Brighton, Staten Island, N. Y.
Berns, George H., 74 Adams Street, Brooklyn, N. Y.
Bland, Thos., 74 Phoenix Avenue, Waterbury, Conn.
Brenton, S., 121 West Alexandrine Avenue., Detroit, Mich.

- Butler, Tait S., 323 Falls Building, Memphis, Tenn.
Cary, C. A., Alabama Polytechnic Institute, Auburn, Ala.
Coates, W. J., 110 West 130th Street, New York, N. Y.
Connaway, J. W., Columbia, Mo.
Crowley, C. W., 2912 Sheridan Avenue, St. Louis, Mo.
Curtice, Cooper, United States Sheep Farm, R.R. No. 2, Vienna, Va.
Emerson, Daniel, 16 Barkers Court, Lynn, Mass.
Eves, H. P., 301 West 18th Street, Wilmington, Del.
Fair, J. D., Millersburg, Ohio.
Grange, E. A. A., Ont. Vet. College, Toronto, Ont.
Harrison, Robert H., 309 Wilder Avenue, St. Paul, Minn.
Hickman, R. W., 2329 First Street, N. W., Washington, D. C.
Hollingworth, W. G., 54 Lafayette Street, Utica, N. Y.
Hoskins, W. Horace, 3452 Ludlow Street, Philadelphia, Pa.
Howard, L. H., 187 Huntington Avenue, Boston, Mass.
Hughes, Joseph, 2537 South State Street, Chicago, Ill.
Jacobs, J. H., 549 West 49th Street, New York City.
Johnson, George A., Exchange Building, Sioux City, Ia.
Knowles, M. E., Helena, Mont.
Lowe, W. Herbert, 117 Trenton Avenue, Paterson, N. J.
Lyford, C. C., 821 Third Avenue, Minneapolis, Minn.
McInnes, Benj., 57 Queen St., Charleston, S. C.
McLain, C. Courtney, 1001 Water Street, Bridgeport, Conn.
McLellan, F. W., 165 Noble Street, Bridgeport, Conn.
McMurdo, C. D., Tenth Cavalry, U. S. A., Haachuca, Ariz.
Mayo, N. S., 4753 Ravenswood Ave., Chicago, Ill.
Meisner, H. A., 1133 Hartford Avenue, Baltimore, Md.
Melvin, A. D., Chief, Bureau of Animal Industry, Washington, D.C.
Meyers, J. C., Jr., 1111 Walnut Street, Cincinnati, Ohio.
Nelson, S. B., Pullman, Wash.
Paige, James B., Amherst, Mass.
Peters, Austin, R.F.D., Harvard, Mass.
Peterson, W. E., 16 Lyman Street, Waltham, Mass.
Pierce, B. D., 47 High Street, Springfield, Mass.
Reynolds, M. H., Experimental Farm, St. Paul, Minn.
Richards, W. H., Emporia, Kans.
Ross, E. C., 11 Orange Street, New Haven, Conn.
Ryan, John F., 2525 Indiana Avenue, Chicago, Ill.
Scheibler, J. W., 271 Court Avenue, Memphis, Tenn.
Shaw, Walter, 114 East 2nd Street, Dayton, Ohio.
Sherman, W. A., 340 Central Street, Lowell, Mass.
Sollberger, R. J., 1412 S. 8th Street, St. Louis, Mo.
Stewart, Sesco, 1336 East 15th Street, Kansas City, Mo.
Strange, A., 322 West 15th St., New York, N. Y.
Turner, J. P., 916 O Street, N. W., Washington, D. C.
Vogt, A. G., 92 Clinton Avenue, Newark, N. J.
Waller, H. N., St. Josephs, Chiswick, W. England.
Waugh, James A., 1100 Fifth Avenue, Pittsburgh, Pa.

Weber, S. E., Lancaster, Pa.
 White, T. E., 1001 West Broadway, Sedalia, Mo.
 Williams, W. L., New York State Veterinary College, Ithaca, N. Y.
 Winchester, J. F., Bay State Building, Lawrence, Mass.
 Wray, W. H., Red Gables, Speen, Princess Risborough, Bucks,
 England.

MEMBERS

(The figures indicate the year in which the dues were last paid.)

Abbott, Andrew J., 209 E. 4th St., Marshfield, Wis. 1916.
 Abercrombie, Henry E., Cambridge, Ill. 1915.
 Achen, F. W. B., 118 Market St., Kenosha, Wis. 1916.
 Acres, George Henry, Grand Forks, British Columbia. 1915.
 Adair, Hugh H., Bristol, Va. 1915.
 Adams, Franklin, 224 W. Washington St., Paris, Ill. 1915.
 Adams, John Dawson, Genesee, Ida. 1916.
 Adams, John W., 39th and Woodland Ave., Philadelphia, Pa.
 Ahlers, F. R., Lamotte, Ia. 1916.
 Ahnert, Ernest F., 646 Central Bldg., Seattle, Wash. 1915.
 Aikenhead, J. P., Easton, Md. 1915.
 Albershardt, August H., Indianapolis, Ind. 1913.
 Alcorn, Harvey Alex., Adair, Ia. 1915.
 Alexander, E. V., 3309 Park Ave., Indianapolis, Ind. 1916.
 Alfort, Simon Wayne, State Farm, Lincoln, Neb. 1916.
 Alkire, Charles N., Big Sandy, Mont. 1913.
 Allen, George H., care B.A.I., South St. Joseph, Mo. 1915.
 Allen, John F., 4 Broadway, Greenwood, Ind. 1913.
 Allen, Rollin M., 412 N. First St., Marshalltown, Ia. 1916.
 Allen, Stanley W., 115 First St., Watertown, S. D. 1916.
 Almeida, Anton S., Dixon, Cal. 1915.
 Althouse, E. P., 809 Market St., Sunbury, Pa. 1916.
 Ames, C. H., 191 12th St., Milwaukee, Wis. 1915.
 Amling, Henry, 4228 Park Ave., New York N. Y. 1916.
 Anders, T. O., care Health & Sanitation, Seattle, Wash. 1915.
 Anderson, Cecil S., Simco, Ont. 1915.
 Anderson, F. E., 130 E. Crawford St., Findlay, Ohio. 1916.
 Anderson, F. J., Grand Forks, N. D. 1914.
 Anderson, George Guild, 417 West 49th St., New York, N. Y. 1915.
 Anderson, Herbert, Dickinson, N. D. 1916.
 Anderson, Jas E., Ligonier, Ind. 1915.
 Anderson, John P., 403 South Main St., Rochester, Minn. 1915.
 Anderson, J. S., Seward, Nebr. 1916.
 Anderson, L., Cedarville, Ohio. 1916.
 Anderson, Leo J., 2228 California St., Berkeley, Cal. 1915.
 Anderson, Melancthon O., Exchange Bldg., So. St. Joseph, Mo. 1916.
 Anderson, T. E., Bedford, Ia. 1916.
 Anderson, W. A., Sleepy Eye, Minn. 1915.

- Andrade, John S., Huntsville, Ala. 1916.
Andreassen, S. K., Barnesville, Minn. 1916.
Andrews, Frederick W., Box 655, Mt. Kisco, N. Y. 1915.
Annand, J. G., 115½ W. First St., Duluth, Minn. 1915.
Arbeiter, Reinhold, Marion, S. D. 1916.
Arburna, Joseph M., Hanford, Cal. 1916.
Archibald, R. A., N. E. Cor. 24th & Broadway, Oakland, Cal. 1916.
Armour, H. M., Chelsea, Mich. 1915.
Armour, W. J., 114 So. Third St., Goshen, Ind. 1916.
Armstrong, James A., 1767 Broad St., Regina, Sask, Can. 1913.
Armstrong, J. M., 15 1st St. E. Providence, R. I. 1915.
Armstrong, Robert, 641 Field Ave., Detroit, Mich. 1916.
Armstrong, Walter N., Concord, Mich. 1915.
Arnold, John W., 777 W. 10th St., Riverside, Cal. 1916.
Asbill, Archibald Ruff, State Capitol, Sacramento, Cal. 1915.
Ashbaugh, Frederick M., War Dept., Washington, D. C. 1916.
Ashcraft, Watt, 310 Hayne St., Monroe. No. Car. 1915.
Ast, Jacob F., 1331 Folsom St., San Francisco, Cal. 1915.
Atherton, Ira K., Box 403, Fort Dodge, Ia. 1916.
Atkins, Chas. Edw. C., 209 John St., Bridgeport, Conn. 1916.
Austin, J. A., 223 Main St., Fulton, Ky. 1916.
Axby, Wm. A., Harrison, Ohio. 1915.
Ayer, Hobart C., New Decatur, Ala. 1916.
Ayers, Admiral Taw, 1966 Kaelin Ave., Louisville, Ky. 1915.
Aymond, Sidney Clay, Bunkie, La. 1916.
Babb, Geo. F., 310 Federal Bldg., Oklahoma, Okla. 1916.
Babbitt, Frank J., 146 Oxford St., Lynn, Mass. 1916.
Babeock, Charles H., New Rockford, N. D. 1916.
Babson, Elmer W., 341 Washington St., Gloucester, Mass. 1916.
Bach, Glenn R., Medicine Lake, Mont. 1916.
Backus, Newell D., 845 2nd St., Elyria, Ohio. 1916.
Backus, L. S., Columbia, Mo. 1916.
Bacon, Richard M. (Mail returned). 1913.
Baddeley, Joseph C., Touchet, Wash. 1915.
Bailey, Hugh W., Orion, Ill. 1916.
Bailey, Leon L., Lowell, Ind. 1915.
Baird, Paul R., Waterville, Me. 1916.
Baker, Bennie J., Mitchell, Neb. 1916.
Baker, Eustace, Moscow, Idaho. 1916.
Baker, Frank H., Gardnerville, Nev. 1916.
Baker, Guy G., 514 Main St., Spencer, Ia. 1916.
Baker, Horace Morgan. (Mail returned). 1913.
Baker, M. C., 6 Union Ave., Montreal, Que. 1916.
Baker, Robert Ernest, Morristown, Tenn. 1915.
Baker, S. S., 2220 Jackson Blvd., Chicago, Ill. 1916.
Baldwin, Arthur, Creston, Ia. 1916.
Baldwin, Boyd, 405 So. 3rd St., Rockford, Ill. 1916.
Bales, Harold W., Box 144, York, Ala. 1916.

- Balke, Ernest J., Adam, Nebr. 1916.
Ball, Chas. H., St. Thomas, Ont. 1916.
Ballard, Fred S., Sibley, Ia. 1916.
Balcan, Ralph W., 53 Whiting St., Springfield, Mass. 1916.
Balthaser, Harry Becker, 762 N. Brooklyn St., Philadelphia, Pa. 1916.
Bamberger, George E., 30 California Ave., Reno, Nev. 1916.
Bancroft, Ernest, R. F. D. No. 3, Barre, Vt. 1915.
Banister, Raymond, R. F. D., Letts, Ind. 1916.
Bannister, H., 11 E. Luck St., Roanoke, Va. 1916.
Barber, James L., Pierre, S. D. 1915.
Barber, Lebbens Blair, Experiment Station, Island of Guam. 1915.
Bard, J. Eldoras, City Hall, Warren, Ohio. 1915.
Barker, Frederick Arnold, 274 S. Main St., Bowling Green, Ohio. 1915.
Barker, Mark, Box 463, Saskatoon, Sask. 1916.
Barnes, Clarence L., 828 LaPorte St., Fort Collins, Colo. 1915.
Barnes, Frank E., 107 Jackson St., Waxahachie, Tex. 1916.
Barnes, James F., 1715 Broadway, Toledo, Ohio. 1916.
Barnes, Miller F., 11th and Buffalo Sts., Franklin, Pa. 1916.
Barnes, Robert, 237 4th Ave., Ottawa, Ont. 1916.
Barnett, Enoch, Agricultural College, Miss. 1914.
Barnett, Frank E., 527 S. State St., Painesville, Ohio. 1915.
Barnett, William A., Clemson College, S. C. 1916.
Barnhart, Emmett P., 3292 West 98th St., Cleveland, Ohio. 1915.
Barr, Frank H., 112 S. Broadway, Albuquerque, N. M. 1916.
Barr, Oreste Edward, 12 Cottage St., Barre, Vt. 1915.
Barrett, Chas. W., 976 N. Chester Ave., Pasadena, Cal. 1915.
Bartholomies, George Ernest, Sheldon, Mo. 1913.
Basinger, H. P., Mitchell, S. D. 1914.
Bateman, John A. F., Webster & Dana Sts., Berkeley, Cal. 1913.
Bates, Elbert M. (Mail returned). 1913.
Bates, Harry E., P. O. Box 682, South Norwalk, Conn. 1916.
Bauman, Samuel H., Birmingham, Ia. 1913.
Baxter, Jos. M., 850 Connecticut St., Gary, Ind. 1916.
Bayler, Theodore M., Perry, Iowa. 1915.
Beach, Burr A., Univ. of Wisconsin, Madison, Wis. 1913.
Beach, J. R., University Farm., Davis, Cal. 1916.
Bear, Fred Louis, Effingham, Ill. 1915.
Bear, Harry H., 26 W. Main St., Mt. Joy, Pa. 1915.
Beattie, Joseph Gilmore, Box 39, N. Portland, Ore. 1915.
Beavers, Glenn R., Arlington, Ia. 1916.
Beavers, Joseph A., Canton, Miss. 1915.
Beck, Walter H., Wray, Colo. 1915.
Becker, Chas. J., Room 1108, Jefferson Co. Savings Bank Bldg., Birmingham Ala. 1916.
Becksham, Louis Edgar, 2221 Seventh St., Tuscaloosa, Ala. 1916.
Beckwith, Joseph W., Shullsburg, Wis. 1916.

- Beebe, Ward L., Beebe Laboratories, St. Paul, Minn. 1916.
Beechy, Levi P., 48 Federal Bldg., Columbus, Ohio. 1915.
Beere, Chas. H., Brown Place, Waterbury, Conn. 1916.
Behler, Clayton R., Box 338, Sacramento, Cal. 1916.
Behner, Christian Frederick, 414 Main St., Marshall, Ill. 1915.
Behnke, A. E., Federal Bldg., Milwaukee, Wis. 1916.
Behrens, Edward Elias, 2121 N. 7th St., Philadelphia, Pa. 1916.
Behrens, Grover J., 610 South 3rd St., Evansville, Ind. 1915.
Beletski, Theo., Wasco, Oregon. 1916.
Bell, John Benson, Pasadena, Cal. 1916.
Bell, Ralph Mack, 1102 Hilton Ave., Utica, N. Y. 1916.
Bell, Wm. M., 609 Broadway, Nashville, Tenn. 1916.
Bell, Wm. R., 423 Dufferin Ave., London, Ont. 1916.
Belloff, L. J., 65 Peace St., New Brunswick, N. J. 1916.
Bemis, H. E., Iowa State College, Ames, Ia. 1916.
Bender, Harry Ellsworth, Lititz, Pa. 1915.
Benjamin, Frank H., Federalsburg, Md. 1913.
Bennett, S. E., Woodworth, Wis. 1915.
Benson, Eugene R., No. 710 Ogden Ave., Superior, Wis. 1915.
Benson, Lester A., Rolette, N. D. 1916.
Berg, Adolf, Doylestown, Pa. 1913.
Berg, Elmer W., No. 106 Spruce Place, Minneapolis, Minn. 1916.
Berg, John A., Lock Box 34, Pender, Neb. 1916.
Berg, Wm. N., B. A. I., Washington, D. C. 1916.
Bergh, Henning E., Suisun, Cal. 1915.
Bergman, H. D., 711 Hodge Ave., Ames, Ia. 1916.
Bernath, Robert I., Wauseon, Ohio. 1916.
Bertram, E. L., National Stock Yards, Ill. 1915.
Besoby, Bernard A., Emerson, Man. 1915.
Best, W. R. L., Bureau of Agri., Manila, P. I. 1915.
Bethel, Bailey O., College Sta., Tex. 1916.
Betts, Roy S., Lost Nation, Ia. 1916.
Biggs, Anson W., Bentley, Kans. 1915.
Birch, Raymond Russell, R. F. D. No. 3, Ithaca, N. Y. 1916.
Bird, Robert H., Greeley, Colo. 1916.
Birmingham, Charles F., Ovid, Mich. 1916.
Bittick, Samuel G., 810 Main St., Fort Worth, Tex. 1916.
Black, Judson, Richmond, Mich. 1915.
Blackstock, M. R., Spartansburg, S. C. 1916.
Blackwell, John E., care Hull and Dillon, Pittsburgh, Pa. 1915.
Blackwood, Allister Chester, No. 1309 11th St. W., Calgary, Alta. 1916.
Blair, Bruce, 350 Lafayette St., New York, N. Y. 1915.
Blair, Wm. Reid, New York Zoo Park, New York, N. Y. 1916.
Blakeley, Chester L., 306 Main Ave., Gardiner, Me. 1915.
Blanche, George W., Belle Plain, Ia. 1915.
Blatchford, Frank M., Brighton, Mich. 1915.
Blattenberg, J. H., 128 South Union St., Lima, Ohio. 1915.

- Bleecker, Arthur B., Lake Mills, Wis. 1916.
Boerner, Frederick, Jr., 5632 Pine St., Philadelphia, Pa. 1915.
Bohaboy, Anton W., Prague, Neb. 1916.
Bolender, Fred Jourette, Brownwood, Tex. 1915.
Bolger, David L., 35 Ash St., Cambridge, Mass. 1916.
Bollinger, A. F., 2218 Albermarle Road, Brooklyn, N. Y. 1915.
Bo'ser, Felty A., 1200 Race St., New Castle, Ind. 1916.
Bond, James Ralston, Cheyenne, Wyo. 1915.
Bone, David R., 900 Bloor St., Toronto, Ont. 1916.
Bonnikson, Henry P., 2226 Parker St., Berkeley, Cal. 1916.
Boor, Orville L., 110 N. Walnut St., Muncie, Ind. 1916.
Borden, C. R., 7 Adams St., Taunton, Mass. 1915.
Bose, Robert G., 414 Grand Ave., Troy, N. Y. 1916.
Blossenberger, W. P., Williams, Ia. 1916.
Bosschart, John K., 11 Main St., Camden, N. Y. 1916.
Bostrom, A., Lincoln, Nebr. 1916.
Botkin, Gilbert E., Mooreland, Ind. 1916.
Bott, Anthony E., 215 Winstanley Ave., East St. Louis, Ill. 1916.
Boucher, W. A., 28 Valley St., Pasadena, Cal. 1916.
Bouesein, Gustav L., Spring Valley, Minn. 1916.
Bourne, Richard F., 1336 East 15th St., Kansas City, Mo. 1916.
Bowes, Elliot D., Boissevain, Man. 1916.
Bowker, Geo. W., Van Horn, Ia. 1916.
Bowne, Frank, Paris Crossing, Ind. 1916.
Boyce, Walter, 20 P. O. Bldg., Kansas City, Kans. 1916.
Boyd, Benj. W., Shirley, Mont. 1916.
Boyd, Chas. W., 825 North Ave., Pittsburg, Pa. 1915.
Boyd, Henry, Essex, Ont. 1916.
Boyd, H. W., Nyack, N. Y. 1915.
Boyd, James, 505 S. 2nd St., San Jose, Cal. 1916.
Boyd, Ralph H., Avilla, Ind. 1916.
Boyd, Robert, 8th U. S. Field Artillery, Ft. Bliss, Texas. 1916.
Boynton, William H., Bureau of Agriculture, Manila, P. I. 1915.
Brach, M. W., Hales Corners, Wis. 1916.
Bradley, Chas. A., Marion, Ia. 1916.
Braginton, Fred, 1934 N. New Jersey St., Indianapolis, Ind. 1915.
Brainard, E., Memphis, Mo. 1916.
Braisted, William, 150 Prospect Ave., Brooklyn, N. Y. 1913.
Brandenberg, T. O., Lakota, N. D. 1916.
Branson, Roscoe Arthur, R. R. 1, Wichita, Kans. 1915.
Brashier, Earl S., 2533 State St., Chicago, Ill. 1915.
Bratten, J. W., Lebanon, Ohio. 1916.
Brawner, H. K., Livingston, Mont. 1916.
Bray, F. O., Arcadia, Ind. 1916.
Bray, Thomas A., Box 354, El Paso, Tex. 1915.
Brazenall, Thomas, Bury, Que. 1916.
Brazie, F. E., Harlan, Ia. 1915.
Breed, C. S., 645 West 160th St., New York, N. Y. 1915.

- Breed, Frank, 1320 Main St., Kansas City, Mo. 1916.
Brenton, Willis L., 224 W. Alexandrine Ave., Detroit, Mich. 1916.
Brett, Geo. W., 1636 30th St., N. W., Washington, D. C. 1915.
Bretz, S. E., Nevada, Ohio. 1914.
Breuner, Sam'l E., Live Stock Sanitary Bld., Harrisburg, Pa. 1916.
Brill, Jos. A., Dow City, Ia. 1916.
Brimhall, S. D., Mayo Clinic Bldg., Rochester, Minn. 1916.
Brod, Wm., 22 E. Ross St., Lancaster, Pa. 1916.
Broderick, Wm. H., 2475 Massachusetts Ave., Cambridge, Mass. 1916.
Bromaghin, Walter, Belle Plaine, Minn. 1916.
Bronson, Ely M., 2946 N. Capitol Ave., Indianapolis, Ind. 1913.
Brookbank, Roscoe E., Seville Apts., Washington, D. C. 1915.
Brooks, C. S., Hollister, Cal. 1916.
Brooks, S. S., Hamilton Ave. & 16th St., Brooklyn, N. Y. 1915.
Brossard, G. J., 2 Fiefield Row, Ashland, Wis. 1916.
Brosnan, Edward E., 39th and Woodland Ave., Philadelphia, Pa. 1916.
Brotheridge, H. J., 3 16th St., Brooklyn, N. Y. 1913.
Broude, Harry F., 516 E. State St., Harrisburg, Pa. 1913.
Brower, Geo. W., Q. M. Dept., Manila, P. I. 1916.
Brown, Arthur, Sarnia, Ont. 1916.
Brown, F. F., 1336 E. 15th St., Kansas City, Mo. 1915.
Brown, Frank H., Fortville, Ind. 1915.
Brown, Herbert Austin, Box 428, Victoria, B. C. 1915.
Brown, Lyman D., S. Broadway, Hamilton, Mo. 1916.
Brown, Peter B., Meriden, Conn. 1916.
Brown, Sylvester, 122 S. Union St., Traverse City, Mich. 1915.
Brown, Walter A., 220 South Champion Ave., Columbus, Ohio. 1916.
Brown, W. W., Liberty, Ida. 1916.
Brownlee, Wm. F., Kirkwood, Ill. 1916.
Browning, George W., Box 399, La Grange, Ga. 1915.
Browning, P. H., 66 N. San Pedro St., San Jose, Cal. 1916.
Bruce, Edward A., Experimental Farm, Agassiz, B. C. 1916.
Bruns, George H., 4 Live Stock Record Bldg., Chicago, Ill. 1916.
Bryans, Joseph W. E., Lansford, N. D. 1915.
Bryant, Albert E., Menomonie, Wis. 1916.
Bryant, John B., Trinidad, Col. 1916.
Buchanan, Henry, Thamesville, Ont. 1916.
Buechel, John T., Lockhart, Texas. 1915.
Buck, John M., B. A. I., Washington, D. C. 1915.
Buck, Samuel H., Marquette, Mich. 1916.
Buckingham, David E., 2115 14th St. N. W., Washington, D. C. 1916.
Buckley, John M., 600 Carlton Ave., Brooklyn, N. Y. 1915.
Buckley, John S., College Park, Md. 1915.
Buckley, Samuel S., College Park, Md. 1915.
Buencamino, Victor, 2229 Azcarraga, Manila, P. I. 1915.

- Buller, John J., 944 4th St., Santa Monica, Cal. 1915.
Bullivant, James, Spokane, Wash. 1914.
Bullock, John L., Creedmoor, N. C. 1915.
Bundy, Edward A., 2346 Hudson Ave., Ogden, Utah. 1916.
Burdett, Cyril H., 5th and Commercial Sts., Centralia, Kan. 1916.
Burkland, Herman W., 475 N. Boulevard Ave., Atlanta, Ga. 1915.
Burley, Arthur James, Highland House, East Central Ave., Albuquerque, N. M. 1916.
Burnett, Samuel H., 410 University Ave., Ithaca, N. Y. 1916.
Burnham, F. E., 728 Ogden Ave., Superior, Wis. 1916.
Burns, Albert H., Hepler, Kans. 1916.
Burr, Alexander, Old Court House, Boston, Mass. 1914.
Burrows, Samuel, 2317 East 89th St., Cleveland, Ohio. 1915.
Burson, W. M., Athens, Ga. 1916.
Burt, James Henry, 800 Poyntz Ave., Manhattan, Kans. 1915.
Bushnell, Fred F., Box 362, Harvard, Ill. 1916.
Bushong, J. P., 603 Roumania Bldg., Baton Rouge, La. 1916.
Busman, Herman, P. O. Bldg. S. S. Station, Omaha, Nebr. 1916.
Butin, George E., 1612 W. 16th St., Kansas City, Mo. 1915.
Butler, George W., 315 Federal Bldg., Indianapolis, Ind. 1916.
Butterfield, Orlin F., Libertyville, Ill. 1915.
Butters, S. J., Box 335, Renville, Minn. 1916.
Butz, Frank R., 3116 Spring Grove Ave., Cincinnati, Ohio. 1915.
Buzzard, David K., Nappanee, Ind. 1916.
Byerrum, Roswell O., 400 E. 2nd St., Muscatine, Ia. 1916.
Byers, M. V., Broken Bow, Nebr. 1915.
Byrd, Atville, 2406 E. 9th St., Kansas City, Mo. 1915.
Cady, Bert J., Univ. of California, Berkeley, Cal. 1915.
Cady, Henry, 23 Washington St., Gloversville, N. Y. 1915.
Cady, P. L., Fremont, Nebr. 1915.
Cahill, Edward A., 561 Westford St., Lowell, Mass. 1915.
Cahill, F. M., 9th and Mary Sts., St. Joseph, Mo. 1916.
Caldwell, J. H., 16 4th St. S. E., Medicine Hat, Alta. 1915.
Caldwell, Robert A., 6th and Grayson Sts., Berkeley, Cal. 1916.
Caldwell, Wm. A., Edgewood, Cal. 1915.
Calkins, R. C., Fairbury, Ill. 1915.
Calldemeier, Edwin, 2121 W. Broadway, Louisville, Ky. 1916.
Callicote, J. K., 2 East 4th St., Oklahoma City, Okla. 1914.
Cambon, Ferdinand J., 303 Perrin Bldg., New Orleans, La. 1916.
Cameron, Alne Edward, Lethbridge, Alta. 1915.
Cameron, H. M., Springville, Ia. 1916.
Campbell, Delwin M., 9 So. Clinton St., Chicago, Ill. 1916.
Campbell, John N., Truman, Minn. 1916.
Cant, Wm. John, Erie, Ill. 1915.
Cardona, Hipolito, Fort Valley, Ga. 1916.
Carley, A. A. H., 177 Brant Ave., Brantford, Ontario. 1916.
Carlos, Tixto A., 2112 Azcanaga St., Manila, P. I. 1916.
Carmack, Ralph W., Dana, Ind. 1915.

- Carney, Stephen J., 745 Northrup St., Sta. E., Portland, Ore.
Carnrite, James Schuyler, Fort Plain, N. Y. 1916.
Carpenter, Howard, Detroit, Mich. 1916.
Carpenter, Ira V., North Liberty, Ind. 1916.
Carr, Wm. R., 816 San Pedro St., Los Angeles, Cal. 1916.
Carroll, Arthur N., 301 W. 3rd St., Pueblo, Colo. 1916.
Carroll, Thos. B., 106 N. 2nd St., Wilmington, N. C. 1916.
Carson, Geo. W., Lake Mills, Ia. 1916.
Carson, James R., Cicero, Ind. 1914.
Carstenson, L. P., Columbus, Nebr. 1915.
Carter, Alva B., Elkhorn, Wis. 1915.
Carter, E. B., Austin, Minn. 1916.
Carter, Geo. H., 219 Tuscola St., Saginaw, Mich. 1915.
Carter, Joseph E., 70 4th St., N., Fargo, N. D. 1914.
Carter, Rolla E., 619 Ohio Ave., Long Beach, Calif. 1915.
Carter, R. W., Rancocas Stock Farm, Jobstown, N. J. 1916.
Carver, Hubert C., Higginsville, Mo. 1916.
Case, C. H., 50 E. Buchtel Ave., Akron, Ohio. 1915.
Case, Leonard N., Honolulu, T. H. 1913.
Casey, Charles M., 307 Fabius St., Syracuse, N. Y. 1915.
Cash, Geo. B., 464 Bathurst St., Toronto, Ont. 1916.
Casper, George T., 419 W. Fruit Ave., Albuquerque, N. Mex. 1916.
Castor, Thos., 4914 Frankfort Ave., Philadelphia, Pa. 1916.
Caughman, Fred P., Columbia, So. Car. 1916.
Cavelle, Edwin B., Northville, Mich. 1915.
Cawley, A. O., Lewisburg, Pa. 1916.
Cecil, Joseph D., Box 284, Waterloo, Ia. 1916.
Chamberlain, Frank W., Box 1022, East Lansing, Mich. 1916.
Chamberlin, Leroy Mylton, 2503 Hamlin St., N. E., Washington, D. C. 1915.
Channing, Charles E., Q. M. Dept., Washington, D. C. 1916.
Chapin, Chester E., Fremont, Ind. 1916.
Chapman, George W., Webster, S. D. 1915.
Chase, Charles S., Bay Shore, Long Island, N. Y. 1916.
Cheney, Alonzo Henry, Polson, Mont. 1916.
Cheney, Bailey E., Health Dept., Corpus Christi, Tex. 1915.
Cheney, George Leroy, 265 Park Ave., New Haven, Conn. 1915.
Cherry, Allen E., Manila, P. I. 1916.
Chesley, G. E., 215 Huntington St., Rochester, N. H. 1915.
Chesterman, R. L., 606 E. Clay St., Richmond, Va. 1916.
Chisholm, Joseph P., Lisbon, N. D. 1915.
Chrisman, Wm. G., Blacksburg, Va. 1916.
Christian, Robert V., 1018 Houston St., Manhattan, Kans. 1916.
Christiansen, Oren A., 4319 Calumet Ave., Chicago, Ill. 1915.
Christie, Norman Douglas, Box 616, Regina, Sask. 1916.
Christie, Victor, Cardston, Alberta. 1916.
Christopher, Ralph E., Mason City, Ia. 1916.
Church, Harry R., Wilkesbarre, Pa. 1916.

- Churchill, Thos. W., Care of J. T. Milliken & Co., St. Louis, Mo. 1916.
- Clancy, J. B., Amberston Farm, Edgemont St'n., East St. Louis, Ill. 1916.
- Clapp, Walter H., Dresden, Ont. 1916.
- Clark, Chas. H., % E. Clark, McCords, Mich. 1916.
- Clark, Clarence W., Rice Lake, Wis. 1915.
- Clark, Curtis Alfred, College Corner, Ohio. 1915.
- Clark, David Bert, Purdue Univ., Lafayette, Ind. 1915.
- Clark, Henry D., 69 High St., Fitchburg, Mass. 1916.
- Clark, Roy Ralph, Theo. N. Vail School of Agriculture, Lyndon Center, Vt. 1916.
- Clark, W. G., Box 196, Marinette, Wis. 1916.
- Clark, Burnett L., Monticello, Wis. 1916.
- Clawson, C. A., 2445 Talbott Ave., Indianapolis, Ind. 1916.
- Clayton, Chas. E., 207 West 55th St., New York, N. Y. 1916.
- Clegg, Robert, Woodbridge, Ont. 1916.
- Clemons, W. E., Granville, Ohio. 1916.
- Clere, Ralph W., East Syracuse, N. Y. 1916.
- Cleveland, Edgar Charles, Jr., Cattaraugus, N. Y. 1915.
- Cleveland, Walter J., Havelock, Ia. 1915.
- Cliffe, G. W., 119 West Johnson St., Upper Sandusky, Ohio. 1916.
- Cline, Clifford M., Box 298, Maryville, Mo. 1916.
- Cline, J. D., Clarion, Ia. 1916.
- Close, F. W., Lewiston, Ida. 1915.
- Closson, Gardner W., 131 Philadelphia St., Anaheim, Cal. 1915.
- Cochran, D. W., 19 Vestry St., New York, N. Y. 1916.
- Cochran, Willard N., Trenton, Tenn. 1916.
- Cochrane, Robert E., 450 Greenbush St., Milwaukee, Wis. 1916.
- Coffeen, Robert J., 225 North 2nd St., Stillwater, Minn. 1915.
- Cole, Guy T., 2235 W. 14th St., Oklahoma City, Okla. 1916.
- Collett, Howard Barker, care of Burns & Co., Calgary, Alta. 1915.
- Collins, Frank, 320 N. 6th St., Monroe, La. 1916.
- Collins, Fred W., Madison, Nebr. 1916.
- Collins, George J., West Point, Nebr. 1916.
- Collins, Leonard, Stanton, Nebr. 1915.
- Collins, Robert E., 256 Monroe St., Memphis, Tenn. 1915.
- Colton, Chas. L., 99 Ann St., Hartford, Conn.
- Commins, Frederick E., 119 Cortland Ave., San Francisco, Cal. 1916.
- Comstock, David B., 175 Jay St., Albany, N. Y. 1915.
- Cone, Michael, Pittsfield, Mass. 1916.
- Connell, Clare V., N. 2nd St., Decatur, Ind. 1915.
- Conrad, Burton W., Sabetha, Kans. 1914.
- Constable, G. W., Fort Bliss, Tex. 1916.
- Cook, B. L., Lake City, Minn. 1916.
- Cook, F. G., 220 S. Main St., Paris, Texas. 1916.
- Cook, J. W., Brownsville, Ore. 1915.

- Cook, L. P., 3116 Spring Grove Ave., Cincinnati, Ohio. 1915.
Cook, Robert H., 1127 Kéele St., Toronto, Ont. 1915.
Cooley, A. S., State Veterinarian, Columbus, Ohio. 1916.
Cooper, Edward, R. F. D. No. 3, Sunman, Ind. 1915.
Cooper, J. M., 711 Plum St., Cincinnati, Ohio. 1915.
Copithorn, Harry K., Chelsea, Mass. 1916.
Coppess, S. A., Waterville, Wash. 1916.
Corbin, Cecil J., Pawling, N. Y. 1915.
Corcoran, Michael, Box 142, Augusta, Kans. 1915.
Corn, Samuel, 5518 Market St., Philadelphia, Pa. 1913.
Cornman, Ernest L., Marietta, Pa. 1916.
Corwin, George E., Canaan, Conn. 1916.
Corwin, Willis T., Pine Island, Minn. 1915.
Cosford, Samuel E., Box 322, Beatrice, Nebr. 1916.
Cotton, Chas. E., 615 4th Ave., Minneapolis, Minn. 1916.
Cotton, Wm. E., 3242, 38th St., N. W., Washington, D. C.
Cottrill, H. B., Sand Fork, W. Va. 1915.
Coughlin, John G., Edina, Mo. 1916.
Courtright, John M., Lathrop, Mo.
Couture, J. A., 49 Garden St., Quebec, Que. 1916.
Couture, Jas. N. L., 65 Walker St., Montreal, Que. 1916.
Cowgill, Daniel L., Rio, Wis. 1915.
Cox, Abraham G., Carlisle, Ind. 1915.
Jox, Harry B., 1516 Snyder Ave., Philadelphia, Pa. 1916.
Cox, Walter P., 7 N. Carey St., Baltimore, Md. 1915.
Cox, Walter R., Clio, Mich. 1916.
Cox, Wm., Mayville, Mich. 1916.
Coxe, S. A., 140 9th St., Brandon, Man. 1915.
Cozier, Carl, 320 Prospect St., Bellingham, Wash. 1916.
Crabb, Lewis C., Fort Worth, Tex. 1916.
Craig, D. E., Edmore, N. D. 1916.
Craig, Robert A., 621 Owen St., Lafayette, Ind. 1915.
Craig, Thomas F., Hampden, N. D. 1915.
Craig, W. B., 216 North Meridian St., Indianapolis, Ind. 1916.
Cranwell, John James, 642 West Pike St., Clarksburg, W. Va. 1916.
Crawford, Harry C., 38 Lexington Ave., New York, N. Y. 1916.
Crawford, James E., Far Rockaway, Long Island, N. Y. 1916.
Crawford, J. H., Harvard, Ill. 1916.
Creamer, J. M., 5th and Taylor St., Portland, Ore. 1915.
Creech, G. Tinsley, 4303 9th St., N. W., Washington, D. C. 1916.
Crewe, W. F., Bismarek, N. D. 1915.
Crisler, Lewis H., Covington, Ky. 1916.
Crisler, Otto S., Agr. Exp. Station, Lexington, Ky. 1916.
Crocker, Walter James, 39th and Woodland Ave., Philadelphia, Pa. 1915.
Crump, Leroy S., Ft. Atkinson, Wis. 1916.
Culver, Frederick W., Longmont, Colo. 1915.
Cummins, Wm. M., Eagle Pass, Tex. 1916.

- Cunningham, A. E., 3826 Carnegie St., S., E. Cleveland, O. 1915.
Cunningham, Elmer E., 106 Indiana Ave., Valparaiso, Ind. 1915.
Curl, Chas. M., R. R. No. 1., Highland Park, Mich. 1916.
Curran, Matthew John, 67 Willis St., New Bedford, Mass. 1916.
Curry, J. M., 995 Main St., Hartford, Conn. 1916.
Curtis, Wilbur A., Iloilo Iloilo, P. I. 1915.
Cusack, Frank L., Carrington, N. D. 1915.
Custis, Howard H., La Jara, Colo. 1916.
Dallas, John T., Provo, Utah. 1916.
Dalrymple, W. H., Baton Rouge, La. 1916.
Damman, Arthur J., 749 12th Ave. E., Vancouver, B. C. 1916.
Danforth, Arthur L., 103 Orchard St., Watertown, N. Y. 1916.
Danielson, Leopold A., Madera, Calif. 1916.
Darby, R. N. G., Barrington, Ill. 1916.
Dardis, Thos. L., 505 So. Sutter St., Stockton, Calif. 1916.
Darrah, George D., 648 Hall St., Manchester, N. H. 1915.
Darrow, John Henry, Jr., 78 N. Hamilton St., Poughkeepsie, N. Y. 1915.
Dauber, Chas. C., 107 N. Clay St., Sturgis, Mich. 1916.
Daubigny, F. T., 12 Rue St. Denis, Montreal, Que. 1914.
Daugherty, T. E. Danville, Ind. 1913.
Dauth, Albert, Coteau Du Lac, Que. 1916.
Davenport, Miles L., Fergus Falls, Minn. 1916.
Davidson, F. N., Buhl, Ida. 1916.
Davidson, George H., Rugby, N. Dak. 1916.
Davidson, Wm. A., Exchange Bldg., S. St. Joseph, Mo. 1916.
Davis, Benj. F., Box 509, Douglas, Wyo. 1915.
Davis, Harry Emerson, Arlington, S. Dak. 1915.
Davis, William L., B. A. I., So. Omaha, Nebr. 1914.
Davison, Elwin T., Athenia, N. J. 1916.
Davitt, M. H., 525 N. Main St., Palmer, Mass. 1915.
Day, Frank J., 50 Rhode Island Ave., N. W., Washington, D. C. 1915.
Day, L. Enos, 4193 S. Halsted St., Chicago, Ill. 1916.
Deadman, Chas. A., 311 E. Main St., Madison, Wis. 1915.
Decker, E. J., 16 William St., Far Rockaway, Long Island, N. Y. 1915.
Deiling, N. J., Dallas Center, Ia. 1916.
Dell, Jesse Applin, 16 and Pacific Aves., Los Angeles, Calif. 1916.
Dellert, R. B., 568 Banning St., Winnipeg, Man. (Mail returned). 1915.
DeMilly, J. W., Tallahassee, Fla. 1916.
Deming, Chas. W., 2040 Knoxville Ave., Peoria, Ill. 1916.
Deming, S. A., Ida Grove, Ia. 1915.
DeMotte, Lee, Petersburg, Ind. 1915.
Denison, Wm. K., Bemidji, Minn. 1915.
DeRonde, John D., 72 E. 82nd St., New York, N. Y. 1915.
DeSerpa, John A., Box 614, Oxnard, Cal. 1916.

- DeTray, E. M., 840 Scott St., Napoleon, O. 1916.
Deubler, Ernest C., Wayne, Pa. 1915.
Deubler, Ezra S., Narberth, Pa. 1916.
Devereaux, John L., 20 Brook St., Waterbury, Conn. 1915.
DeVine, John F., Goshen, N. Y. 1916.
Dick, George A., Kane, Pa. 1915.
Dickey, Geo. W., 319 N. Weber St., Colo. Springs, Colo. 1916.
Dickson, John, 444 Federal Bldg., Denver, Colo. 1915.
Dillahunt, Peter A., R. F. D. No. 7, Springfield, Ohio. 1916.
Dillon, L. Ray, 107 N. Grand Ave., Pueblo, Colo. 1915.
Dimock, Wm. Wallace, Iowa State College, Ames, Ia. 1915.
Dingley, Ernest C., 5335 DeLancey St., Philadelphia, Pa. 1915.
Dinse, Alfred J., Box 161, Jackson, Ga. 1916.
Dinwoodie, John T. E., Brookings, S. D. 1916.
Ditewig, George B., B. A. I., Washington, D. C. 1915.
Ditto, John K., Pleasureville, Ky. 1915.
Divine, John P., Ballston, Va. 1914.
Dixon, C. Price, Old Fire House, Charlottesville, Va. 1915.
Dixon, H. L., Box 616, Regina, Sask. 1916.
Dobbins, Quincy C., Bedford, Ind. 1915.
Dobson, Charles C., Muncie, Ind. 1916.
Dock, Norton, 515 Ludlow Ave., Cincinnati, O. 1916.
Dodge, Wm. H., Leominster, Mass. 1915.
Dolan, Francis F., Willow City, N. Dak. 1916.
Donald, James S., 213 South Catherine St., Bay City, Mich. 1916.
Donaldson, Robert R., Argyle, Minn. 1916.
Donnelly, George J., 833 Telegraph Ave., Oakland, Cal. 1915.
Donohue, Robert John, 506 Alaska Bldg., Seattle, Wash. 1916.
Doran, John Thomas, 200 Market St., Beatrice, Nebr. 1915.
Dorian, Frank P., 35 Franklin St., Yonkers, N. Y. 1916.
Dorweiler, Philip O., West Bend, Ia. 1916.
Douglass, Frank J., 1235 St. Andrew St., New Orleans, La. 1915.
Downs, Aaron E., Mt. Sterling, Ohio. 1916.
Doyle, Lawrence S., Moneton, N. B. 1916.
Doyle, Simon A., 1764 Mission St. San Francisco, Cal. 1913.
Drake, Edw. J., Toledo, Wash. 1914.
Drake, M. W., 1308 Morris St., Philadelphia, Pa. 1916.
Drake, Wm. C., care of Y. M. C. A., St. Joseph, Mo. 1916.
Draper, James Powell, Lowell, Mich. 1915.
Dreher, Wm. Henry, Box 143, Oregon, Wis. 1916.
Dreppard, Samuel G., Flora, Ill. 1916.
Drexler, Joseph L., Thibodaux, La. 1915.
Drown, Frederick A., Kellogg, Ia. 1916.
Drury, James, 218 Michigan St., Ypsilanti, Mich. 1916.
Ducey, John, Newberry, Mich. 1916.
Ducey, M. D., L. Box 148, Merrill, Mich. 1916.
DuFrene, Alfred J., Glendive, Mont. 1916.
Dufresne, A. A., Longueuil, Que. 1915.

- DuJardin, Guillaume, 270 Craig St., E., Montreal, Que. 1915.
Duncan, Francis, Ithaca, Mich. 1916.
Dunleavy, M. J., 1324 Acoma St., Denver, Colo. 1915.
Dunn, Ralph C., College Station, Tex. 1916.
Dunphy, Chas. B., Mason, Mich. 1916.
Dunphy, G. W., East Lansing, Mich. 1915.
Dustan, Henry W., 25 De Hart St., Morristown, N. J. 1916.
Dykstra, Ralph R., 714 Houston St., Manhattan, Kans. 1916.
Dyson, Orion E., State Veterinarian, Springfield, Ill. 1916.
Eagan, Paul Herman, 422 4th Ave., N., Nashville, Tenn. 1915.
Eagle, Alex. F., 725 San Jose Ave., San Francisco, Cal. 1915.
Eagle, John G., 3924 Morrell Ave., Kansas City, Mo. 1915.
Eagle, Richard F., 449 Englewood, Chicago, Ill. 1916.
Eagle, Wm. W., 308 Central Ave., Kansas City, Kans. 1915.
Eastman, O. R., Gadsden, Ala. 1915.
Ebbitt, Richard, Grand Island, Nebr. 1915.
Eckert, Henry F., Markesan, Wis. 1916.
Edelin, Allen Alfred, 1602 Lagonda St., Fort Worth, Tex. 1915.
Edgington, Bruce H., Reynoldsburg, Ohio. 1916.
Edmiston, Geo. A. H., 431 Sixth St., Rapid City, S. Dak. 1916.
Edmonds, Elmer V., 603 Lincoln Ave., Mt. Vernon, Wash. 1916.
Edmunds, Arthur L., Franklin, N. H. 1916.
Edwards, Frank, Bureau of Agriculture, Manila, P. I. 1915.
Edwards, W. R., Box 216, Vicksburg, Miss. 1915.
Egan, John Milton, 1155 Golden Gate Ave., San Francisco, Calif. 1916.
Egan, Peter J., 1155 Golden Gate Ave., San Francisco, Calif. 1916.
Egan, William F., 1155 Golden Gate Ave., San Francisco, Calif. 1916.
Eichelberger, A. Martin, Box 884, Shreveport, La. 1916.
Eichhorn, Adolph, Lederle Antitoxin Laboratories, Pearl River, N. Y. 1916.
Eiseman, Frank T., 222 E. Main St., Louisville, Ky. 1913.
Eisenhower, Elmer C., Gypsum, Kas. 1915.
Eisenhower, James M., Schell City, Mo. 1915.
Eisenlohr, Herman M., Larimore, N. Dak. 1916.
Elery, Wilton, Audubon, Ia. 1915.
Eliason, Oscar H., State Veterinarian, Madison, Wis. 1916.
Elkin, Albert F., R. F. D. No. 1, Smicksburg, Pa. 1915.
Elkin, Joseph Homer, Smicksburg, Pa. 1915.
Ellenberger, W. P., 1359 Parkwood Place, Washington, D. C. 1916.
Elliott, Adam F., Milton, N. Dak. 1915.
Elliott, Chas. M., Seward, Nebr. 1915.
Elliott, Clarence L., 5434 S. 3rd St., So. St. Joseph, Mo. 1915.
Elliott, Edward W., Park River, N. Dak. 1916.
Elliott, Harold B., P. O. Box 167, Hilo, Hawaii. 1916.

- Ellis, Percy L., Box 272, Merrill, Ia. 1916.
Ellis, Robert W., 509 W. 152nd St., New York, N. Y. 1916.
Elmes, Jos. H., Eagle Bend, Minn. 1916.
Elsey, Mark A., Marion, O. 1915.
Elwell, Fred N., National Stock Yards, St. Claire Co., Ill. 1915.
Elzinga, Martin E., 349 LaGrave Ave., Grand Rapids, Mich. 1916.
Engle, Frank Phillip, Fort Worth, Tex. 1915.
Erickson, Chas. W., Marine Mills, Minn. 1916.
Ernst, John, Jr., 125 E. 4th South St., Salt Lake City, Utah. 1915.
Essex, John J., Chevy Chase, Md. 1916.
Estey, Cyrew B., Box 287, St. Cloud, Minn. 1916.
Etienne, Albert A., 67 Drummond St., Montreal, Que. 1916.
Evans, C. E., 719 Wisconsin St., Racine, Wis. 1915.
Evenson, Harry, Sacred Heart, Minn. 1916.
Everett, A. T., 24th and North Sts., So. Omaha, Nebr. 1915.
Ewalt, W. Austin, 22 Grand Ave., Mt. Clemens, Mich. 1915.
Exline, James C., 311 Live Stock Exch. Bldg., Denver, Colo. 1915.
Fabian, Arthur H., 421 Walworth St., Lake Geneva, Wis. 1916.
Faivre, Clovis F., Latrobe, Pa. 1916.
Fake, Charles Thompson, Granville, N. Y. 1915.
Falconer, Thomas, Box 303, Alexandria, Minn. 1915.
Fallon, Edw. J., 3372 A 16th St., San Francisco, Cal. 1916.
Farley, A. J., 47 Palm Pl., Pomona, Cal. 1916.
Farley, Edwin P., 1800 Meyers St., Paducah, Ky. 1916.
Farmer, Albion C., Berlin, N. H. 1915.
Farmer, Thomas, Grand Blane, Mich. 1916.
Farrington, A. M., 1436 Chapin St., Washington, D. C. 1916.
Faulhaber, Louis G., 2840 W. North Ave., Chicago, Ill. 1916.
Faust, Otto, 209 Union Ave., Poughkeepsie, N. Y. 1916.
Faville, G. C., North Emporia, Va. 1913.
Feeley, Robert O., Clemson College, South Carolina. 1916.
Feist, Arnold Andrew, 156 Aurora Ave., St. Paul, Minn. 1915.
Ferguson, Chas. W., Auburn, Ala. 1916.
Ferguson, Thomas H., 421 Broad St., Lake Geneva, Wis. 1916.
Ferguson, W. P., 316 Second St., Grenada, Miss. 1916.
Ferneyhough, James G. (Mail returned). 1914.
Ferneyhough, R. E., Lee St., Warrenton, Va. 1915.
Fernsler, Frank U., 32 South 7th St., Lebanon, Pa. 1916.
Ferrand, William S., Gilmore City, Ia. 1916.
Ferro, R. B., Gordon Hotel, Lafayette, La. (Mail returned). 1915.
Ferron, Eugene, 3718 Spring Garden St., Philadelphia, Pa. 1916.
Fetherolf, Geo. R., Reading, Pa. 1914.
Finkle, Ray C., Seymour, Wis. 1915.
Finley, Lester C., Lapel, Ind. 1916.
Fischer, Carl F., Garden City, Mo. 1916.
Fischer, Paul, Reynoldsburg, Ohio. 1915.
Fish, Pierre A., N. Y. State Vet. Col., Ithaca, N. Y. 1916.

- Fisher, Adam, 9 West 4th St., Charlotte, N. C. 1915
Fisher, Carl W., 420 A St., San Mateo, Cal. 1916.
Fisher, D., Grandin, N. Dak. 1915.
Fisk, Alexander G., 815 Willow St., Trinidad, Colo. 1916.
Fitch, Clifford Penny, 107 Brandon Place, Ithaca, N. Y. 1916.
Fitch, Earl W., care of Merrill & Soule Co., Arcade, N. Y. 1916.
Fitch, Edward Henry, McHenry, N. D. 1916.
Fitzpatrick, Dennis B., 3225 Woodland Ave., Philadelphia, Pa. 1916.
Flack, Edward R., Enterprise, Ore. 1916.
Flaherty, James J., 127 Meadow St., New Haven, Conn. 1916.
Flanary, W. F., St. Charles, Minn. 1916.
Fleming, Jas., 23 Federal Bldg., Kansas City, Kan. 1916.
Fleming, W. R., 25 Live Stock Exchange, Buffalo, N. Y. 1913.
Flocken, Charles F., Experiment Station, St. Anthony Park, Minn. 1916.
Flowe, Berry B., Raleigh, N. C. 1916.
Flowe, Homer P., Raleigh, N. C. 1916.
Flower, E. Pegram, Box 24, Baton Rouge, La. 1916.
Flowers, Royal G., 3rd and Main Sts., Ft. Worth, Tex. 1916.
Fogle, Charles W., Leipsic, Ohio. 1915.
Folse, Charles D., 1336 E. 15th St., Kansas City, Mo. 1916.
Folsom, Edward Graham, Room 503, Watson Bldg., Fairmount, W. Va. 1916.
Foltz, Wm. C., care City Health Dept., Lincoln, Neb. 1916.
Foos, Arthur C., 126 N. Laurel St., Hazelton, Pa. 1916.
Forbes, S. D., 301 Cameron St., Alexandria, Va. 1915.
Ford, Albert T., Wingham, Ont. 1916.
Forge, Louis A., 561 Washington St., Burlington, Wis. 1916.
Formad, Robert J., B. A. I., Washington, D. C. 1915.
Fosbinder, Harry R., 6403 Hollywood Bldg., Los Angeles, Cal. 1916.
Foster, Allen A., 3813 Ross Ave., Dallas Tex. 1915.
Foster, J. D., 126 N. State St., Newtown, Pa. 1916.
Foster, Joab P., Selby, S. D. 1915.
Foster, Lloyd E., Greenfield, Ia. 1916.
Foster, Robert J., 9th U. S. Cavalry, Manila, P. I. 1915.
Foster, Samuel B., 927 Union Ave., Portland, Ore. 1915.
Foster, Thomas J., Monticello, Ill. 1915.
Foust Harry L., Agricultural College, N. D. 1916.
Fowler, W. J. R., 52 Pacific Ave., Toronto, Ont. 1916.
Fox, David F., Room 423 First Nat'l Bank Bldg., Oakland, Cal. 1916.
Fox, Leroy B., Bartlesville, Okla. 1916.
Francis, M., College Station, Tex. 1916.
Francoise, Wm. I., 605 East Ave., Kalamazoo, Mich. 1914.
Frank, John Williamson, Box 291, Nelson, B. C. 1916.
Franzman, Peter A., 5966 Lowe Ave., Chicago, Ill. 1916.

- Fraser, J. Heywood, New Glasgow, N. S. 1916.
Fraser, Thomas, 316 N. Henry St., Richmond, Va. 1915.
Fraser, Walter, 13th U. S. Cavalry, Columbus, N. M. 1915.
Frazier, Chas., 5052 Cottage Grove Ave., Chicago, Ill. 1915.
Frederick, Charles B., 412 N. Walnut St., Canton, Ohio. 1916.
Frederick, Harry, Box 584, Suffern, N. Y. 1915.
Frederick, Hiram J., College Hill, Logan, Utah. 1915.
Freed, B. M., 12 South Dock St., Sharon, Pa. 1916.
Freeman, Carl E., Carrizozo, New Mex. 1916.
Freeman, F. E., Buhl, Ida. 1915.
French, Alex. W., Cheyenne, Wyo. 1915.
French, C. F., Rockland, Me. 1916.
French, Wm. Harold, Redfield, S. D. 1913.
Frese, George L., 309 11th St., Toledo, Ohio. 1915.
Frey, Charles T., Box 106, River Point, R. I. 1915.
Frey, Jesse J., 3400 Indiana Ave., Chicago, Ill. 1916.
Fridirici, Ulysses, 204 Pine St., Tamaqua, Pa. 1915.
Friedheim, Louis, Box 103, Rock Hill, S. C. 1916.
Frost, Charles E., Stryker, Ohio. 1916.
Frost, Geo. P., 4527 Ravenswood Ave., Chicago, Ill. 1916.
Frost, James N., 919 East State St., Ithaca, N. Y. 1915.
Frost, Roy C., 1513 U St., N. W., Washington, D. C. 1915.
Frothingham, Langdon, 335 Bay State Road, Boston, Mass. 1916.
Fry, Hugh L., 125 E. Rush St., Kendallville, Ind. 1916.
Fuller, Claude E., Beach, N. D. 1915.
Fuller, George S., 170 Common St., Lawrence, Mass. 1915.
Fuller, George S., 1715 N. 12th St., Philadelphia, Pa. 1916.
Fuller, John Russell, 101 W. Commercial St., Weiser, Ida. 1916.
Fullington, Harry C., 6047 Greenwood Ave., Seattle, Wash. 1913.
Fulstow, Harry, Norwalk, Ohio. 1916.
Funkhouser, George M., 410 Main St., Lafayette, Ind. 1915.
Gain, J. H., State Farm, Lincoln, Nebr. 1916.
Gaines, Chas. H., Chilhowee, Mo. 1915.
Galbraith, Alistair R., Garfield, Wash. 1916.
Gall, Wm., Mattawan, N. J. 1916.
Gallagher, Bernard A., B. A. I., Washington, D. C. 1916.
Gallivan, Michael V., Box 567, Lethbridge, Alberta. 1916.
Galloway, Peter F., 318 N. Henry St., Richmond, Va. 1915.
Gamble, Henry S., 1329 Gallatin N. W., Washington, D. C. 1915.
Gamrath, Carl L., 52 E. Washington St., Fairfield, Ia. 1915.
Gannett, Ray Willard, 74 Adams St., Brooklyn, N. Y. 1916.
Gardner, Chas. M., 331 Clackmass St., Portland, Ore. 1916.
Gardner, Chennie A., Morris, N. Y. 1916.
Gardner, J. P., Kingston, Ohio. 1916.
Garside, Peter, Bourbon, Ind. 1916.
Garvey, Jas. J., Alexandria, Va. 1916.
Gates, Wm. L., Clarksdale, Miss. 1915.
Gay, Carl W., University Farm, St. Paul, Minn. 1915.

- Gearhart, D. C., 215 S. St. Clair St., Pittsburgh, Pa. 1916.
Gearhart, Frank C., Bureau of Agriculture, Box 1362, Manila, P. I. 1915.
Geiger, Milton J., Croswell, Mich. 1916.
Gemmell, A. D., 220 E. Livingston St., Celina, Ohio. 1916.
Genereux, D., 438 Amhurst St., Montreal, Que. 1916.
George, Harrison H., 235 Federal Bldg., Cleveland, Ohio. 1916.
George, Herbert H. S., P. O. Box 521, Kamloops, B. C. 1912.
George, John H., 60 Tiverton Ave., Toronto, Ont. 1916.
Gerber, D. W., 1207 N. Broadway, Oklahoma City, Okla. 1916.
Gerlach, G. H., Morenci, Mich. 1913.
Gibson, A., 1617 2nd St., North Birmingham, Ala. 1915.
Gibson, G. D., Adrian, Mich. 1915.
Gibson, Howard Renwick, Algona, Ia. 1915.
Gibson, James Irvine, State House, Des Moines, Ia. 1915.
Giffey, Joe W., 1816 Missouri Ave., South Side Station, Omaha, Nebr. 1916.
Gilchrist, Wm. T., 410 Church St., Norfolk, Va. 1915.
Giles, Walter M., Franklin, Tenn. 1915.
Gill, H. D., 337 E. 57th St., New York, N. Y. 1916.
Gillespie, John F., 446 Hudson Ave., Brooklyn, N. Y. 1916.
Gillie, Peter T., 22 E. First St., Mansfield, Ohio. 1915.
Gilliland, S. H., Widener Bldg., Philadelphia, Pa. 1916.
Giltner, L. T., B. A. I., Washington, D. C. 1916.
Giltner, Ward, East Lansing, Mich. 1916.
Gilyard, Arthur T., 74 Phoenix Ave., Waterbury, Conn. 1916.
Gimper, W. S., 1616 Boas St., Harrisburg, Pa. 1916.
Gleason, Matthew E., Folwerton, Tex. 1916.
Glendenning, C. G., 115 W. Washington St., Clinton Ill. 1916.
Glennon, Henry J., 148 Second St., Newark, N. J. 1915.
Glennon, James T., 27 Clay St., Newark, N. J. 1915.
Glover, Albert D., Newark, Mo. 1916.
Glover, George H., State Agri. College, Fort Collins, Colo. 1916.
Glynn, Lawrence L., 444 Federal Bldg., Denver, Colo. 1916.
Gohn, Horace M., St. Johns, Mich. 1915.
Goldberg, Samuel A., N. Y. State Vet. College, Ithaca, N. Y. 1916.
Golding, Cyril, Tulare St., P. O. Box 582, Dinuba, Cal. 1915.
Goodwin, Jas. Arthur, Lock Box 584, New Iberia, La. 1916.
Goodwin, Percy W., Wrights, Cal. 1916.
Gordon, George, Hanford, Cal. 1916.
Gordon, George, Gibson City, Ill. 1915.
Gordon, William D., 268 West Santa Clara St., San Jose, Cal. 1915.
Gore, Truman E., 111 W. Pike St., Clarksburg, W. Va. 1915.
Gorsuch, Dickinson, Glencoe, Md. 1915.
Goss, Leonard W., Argicultural College, Manhattan, Kans. 1916.
Gould, J. H., 2nd F. A., Manila, P. I. 1915.
Gould, J. N., Worthington, Minn. 1916.

- Gow, Ronald M., State Veterinarian, Old State House, Little Rock, Ark. 1915.
- Grady, William J., Lankin, N. D. 1914.
- Graf, John, 2nd Ave. W., Cresco, Ia. 1915.
- Graff, Carl L. P., Bisbee, N. D. 1916.
- Graham, G. G., 1320 Main St., Kansas City, Mo. 1916.
- Graham, James, 115 Queen St., Germantown, Philadelphia, Pa. 1915.
- Graham, John J., West Queen Lane, Germantown, Philadelphia, Pa. 1914.
- Graham Leroy B., 369 S. 18th St., Cedar Rapids, Ia. 1915.
- Graham, Oswald Hood, Clinton, N. C. 1915.
- Graham, Ralph, Sedalia, Mo. 1916.
- Graham, Robert, Experiment Station, Lexington, Ky. 1916.
- Grapp, Gustav H., Port Deposit, Md. 1916.
- Grau, Jeppe Andrew, Box 124, S. Auburn, Nebr. 1916.
- Graves, Henry T., E. 201 15th St., Olympia, Wash. 1915.
- Gray, Fred Sumner, Box 561, Miles City, Mont. 1916.
- Graybill, Guy M., Milford Square, Pa. 1915.
- Graybill, Harry W., 1021 Daisy Ave., Long Beach, Cal. 1915.
- Greeder, Herman, Janesville, Wis. 1916.
- Green, Benj. F., Cumby, Tex. 1916.
- Green, L. Kenneth, 37 Knight St., Auburn, Maine. 1915.
- Greenwood, E. S., Laurens, Ia. 1916.
- Greenwood, Ross A., Phelps St., Painesville, Ohio. 1916.
- Greer, John, Saranac Lake, N. Y. 1916.
- Greeson, J. O., Kokomo, Ind. 1916.
- Gregory, Wm. G., Riverside Pharmacy, Fort Worth, Tex. 1916.
- Griffin, Will C., South Side Station, Omaha, Nebr. 1916.
- Griffith, J. W., Cedar Rapids, Ia. 1916.
- Griffith, Roscoe C., Jamestown, Ohio. 1916.
- Groff, Benjamin Warren, 20 North St., Massilon, Ohio. 1916.
- Grogan, Joseph P., 909 Ashland Ave., Baltimore, Md. 1916.
- Gross, Jno. L., Bureau of Agriculture, Manila, P. I. 1915.
- Gross, R. C., Elizabethtown, Pa. 1915.
- Grossman, James D., 117 Ash Ave., Ames, Iowa. 1916.
- Grove, Jno. S., 310 Federal Bldg., Oklahoma, Okla. 1915.
- Grover, Arthur L., 65 9th Ave., New York, N. Y. 1914.
- Groves, John W., 40 York St., Hamilton, Ont. 1915.
- Grubb, Chauncey, M., Box 202, Rockville, Md. 1915.
- Gruber, John N., Lexington, Nebr. 1916.
- Gruber, John T., 316 N. Main St., Marion, Ohio. 1916.
- Gruenwald, Geo. J., 1429 West 56th St., Cleveland, Ohio. 1916.
- Grutzman, Walter R., 8th Cavalry, Ft. Bliss, Tex. 1916.
- Guard, Willard F., Iowa State College, Ames, Ia. 1916.
- Guldager, Fred Howard, 304 Ridge St., Sacramento, Cal. 1913.
- Gunn, Nelson T., 528 W. Granite St., Butte, Montana. 1916.
- Gunster, Francis, Corvallis, Ore. 1916.

- Guyselman, P. C., 1st Ave., Monte Vista, Colo. 1916.
Gysel, Robert, 9333 Escanabe Ave., Chicago, Ill. 1916.
Hadley, Frederick B., Univ. of Wis., Madison, Wis. 1916.
Hadwen, Seymour, Agassiz, B. C. 1915.
Haffer, John W., 49 Pearl St., Paterson, N. J. 1915.
Hagin, W. A., N. Y. State Vet. College, Ithaca, N. Y. 1916.
Haines, Albertson, W., Bristol, Pa. 1915.
Hall, Arthur G., Earlville, N. Y. 1916.
Hall, Clifford L., 126 North Park St., Wheeling, W. Va. 1916.
Hall, Maurice C., care Parke, Davis & Co., Detroit, Mich. 1916.
Hall, Orlan, Health of Animals Branch, Ottawa, Ont. 1915.
Halliday, Robert J., 21 West 32nd St., Bayonne, N. J. 1915.
Hallman, Elam T., 383 Sunset Lane, East Lansing, Mich. 1915.
Halloran, John L., Broad St., Stapleton, Staten Island, N. Y. 1916.
Hallquist, Ralph A., Box 182, Oslo, Minn. 1915.
Halstead, William E., 19 Judson St., Binghamton, N. Y. 1915.
Halton, John H., 123 G. St., Salt Lake City, Utah. 1915.
Halverson, Harold M., Box 354, Yankton, S. D. 1916.
Hamblet, C. A., 495 Varnum Ave., Lowell, Mass. 1916.
Hamilton, George W., 604 N. 10th St., E. St. Louis, Ill. 1915.
Hamilton, Herbert B., 79 Hillman St., New Bedford, Mass. 1915.
Hamilton, Howard M., Paris, Ky. 1916.
Hamilton, M., 364 Main St., Delhi, N. Y. 1916.
Hamilton, Robert, 639 Broughton St., Victoria, B. C. 1916.
Hammond, Harry J., Box 338, Sacramento, Cal. 1915.
Hammond, Wm. L., 444 Federal Bldg., Denver, Colo. 1916.
Handley, John Isaac, Box 8, West Raleigh, N. C. 1915.
Handley, Jno. M., Woodworth, Wis. 1916.
Haney, W. F., 1518 Ninth St., Modesto, Cal. 1916.
Hansen, Hans P., 216 E. Mill St., Austin, Minn. 1915.
Hansen, James W., 511 N. Lafayette St., Greenville, Mich. 1916.
Hanshew, E., 125 Carlton Ave., Brooklyn, N. Y. 1916.
Hanson, H. D., Darien, Conn. 1915.
Hanson, Peter, 310 City Hall, Portland, Ore. 1916.
Hanvey, George A., Remount No. 2, Fort Sam Houston, Tex. 1916.
Hardenberg, James Ball, 39th & Woodland Ave., Philadelphia, Pa. 1916.
Hardman, Russell T., Kyger, W. Va. 1916.
Hargrave, J. C., Dominion Vet. Inst., Medicine Hat, Alta. 1916.
Haring, C. M., Div. of Vet. Science., Univ. of Cal., Berkeley, Cal. 1916.
Harkins, Malcome J., Care H. K. Mulford Co., Glenolden, Pa. 1915.
Harries, Thos. B., Saloniki Expeditionary Force, via England. 1915.
Harrington, E. T., 873 Broadway, S. Boston, Mass. 1916.
Harris, A. W., 78 Fourth Ave., Ottawa, Ont. 1915.
Harris, E. D., Casselton, N. D. 1916.
Harrison, W. F., 329 Broad St., Bloomfield, N. J. 1915.

- Harry, Charles Edward, Anita, Ia. 1915.
Harsh, Francis A., 326 Murray Ave., Minerva, Ohio. 1914.
Hart, Charles Henry, Hankinson, N. D. 1915.
Hart, George H., Health Office, City Hall, Los Angeles, Cal. 1916.
Hart, John P., Winchester, Ind. 1913.
Hart, Wm. J., Wetmore, Kans. 1915.
Harthill, Alexander, 707 Green St., Louisville, Ky. 1914.
Hartman, Wm. J., State College of Agriculture, Bozeman, Mont. 1916.
Haskins, Albert B., 321 East 3rd St., Davenport, Ia. 1916.
Hasselbalch, A. E., Edward, Nebr. 1914.
Hassloch, August, 400 West 50th St., New York, N. Y. 1916.
Havreberg, Arne H., Olivia, Minn. 1916.
Hawke, Walter L., Vet. Research Laboratory, Lethbridge, Alta.
Hawke, William Richard, Medicine Hat, Alta. 1912.
Hawkins, Joseph, 184 Stanton Ave., Detroit, Mich. 1913.
Haworth, Charles C., Donnellson, Ill. 1915.
Haxby, J. W., 6th St. & 3rd Ave., Clarinda, Ia. 1915.
Hay, Leopold, 5th & 1st Ave., Faribault, Minn. 1915.
Hayden, Charles Ernest, 108 Irving Place, Ithaca, N. Y. 1915.
Hayes, Fred M., Univ. Farm., Davis, Cal. 1916.
Hayes, Jesse, Alexandria, Va. 1915.
Hayes, John J., 7 E. 42nd St., New York, N. Y. 1916.
Haynes, M. C., Springfield, Tenn. 1916.
Haynes, Wilford A., Jackson, Mich. 1916.
Hays, Clark H., P. O. Bldg., Kalamazoo, Mich. 1916.
Hazel, George A., Pleasantville, N. Y. 1913.
Hazlewood, Robert V., Bessemer, Ala. 1916.
Hazlet, Samuel K., Oelwein, Ia. 1915.
Heacock, Clyde C., Carlsbad, N. M. 1913.
Head, Cage, Wilton, Ala. 1916.
Head, Charles, Regina, Sask. 1913.
Healey, Thos. W., 461 North 2nd St., San Jose, Cal. 1916.
Heath, Warren E., Columbus, Mont. 1916.
Hecker, Frank, 1108 Jefferson Co. Savings Bank Bldg., Birmingham, Ala. 1915.
Hedley, Clark, Marion, S. C. 1915.
Hedrick, Horace A., 2606 Gilford Ave., Baltimore, Md. 1915.
Heer, Rufus S., 115 4th St., Platteville, Wis. 1916.
Heiney, Edgar, Hattiesburg, Miss. 1915.
Heller, Edward, Chilton, Wis. 1916.
Helmer, Jacob, 327 Madison Ave., Scranton, Pa. 1915.
Hemphill, John F., 428 Dexter St., Clay Center, Kans. 1916.
Henderson, E. P., Houlton, Me. 1916.
Henderson, Levi C., Box 666, Twin Falls, Ida. 1915.
Hendren, Oliver T., 6645 Ridge Ave., Philadelphia, Pa. 1916.
Hendren, S. G., 17 E. Market St., Lewistown, Pa. 1916.
Hendrick, M. Parks, 470 Walnut St., Meadville, Pa. 1916.

- Henneberger, W. B., Box 43, Oakland, Ore. 1916.
Hennessy, William J., 126 Front St., Worcester, Mass. 1915.
Henrich, Leo O., Vacaville, Cal. 1916.
Herbott, Julius W., 1336 N. Marshall St., Philadelphia, Pa. 1916.
Herndon, Franklin C., Rocky Mount, N. C. 1916.
Hernsheim, J. T., 6222 Lakewood Ave., Chicago, Ill. 1916.
Herr, T. J., 381 E. 83rd St., New York, N. Y. 1915.
Herring, Lawrence James, Wilson, N. C. 1916.
Herrold, Wm. C., South Side Station, Omaha, Nebr. 1916.
Herron, Moore Bryant, 1282 Pike St., Cannonsburg, Pa. 1915.
Hershey, Chas. E., Tiffin, Ohio. 1916.
Hershey, Samuel E., Lock Box 283, Charleston, W. Va. 1916.
Hess, Orlando B., Bio Chemic Div., Dept. of Agriculture, Washington, D. C. 1915.
Hickman, D. Elwyn, 333 W. Union St., West Chester, Pa. 1915.
Hickman, Thomas S., 1818 Cherry St., Kansas City, Mo. 1915.
Hicks, Floyd H., Allegan, Mich. 1916.
Hicks, Hazen H., 105 Custom House Bldg., San Francisco, Cal. 1916.
Hicks, Tunis, 642 Irving St., Washington, D. C. 1916.
Hiday, John L., Fortville, Ind. 1916.
Higbee, M. R., Albert Lea, Minn. 1916.
Higgins, Charles H., Experimental Farm, 196 Cartier St., Ottawa, Ont. 1916.
Hill, George H., Atkinson, Ill. 1916.
Hill, James, Tarlac, Tarlac Province, P. I. 1915.
Hill, Joseph G., Skaneateles, N. Y. 1913.
Hill, Robert C., West Alexandria, Ohio. 1915.
Hilliard, William A., 630 McMillan Ave., Winnipeg, Man. 1916.
Hilton, George, 126 Lewis St., Ottawa, Ont. 1916.
Hilton, Wm., 615 Spence St., Winnipeg, Man. 1915.
Hilty, Reuben, 619 Walnut St., Toledo, Ohio. 1916.
Himmelberger, Leo R., Fort Dodge Serum Co., Fort Dodge, Iowa. 1916.
Hinebauch, T. D., Tower City, N. D. 1915.
Hinkley, C. J., Carthage, S. D. 1915.
Hinkley, Emmet R., 738 Market St., Sandusky, Ohio. 1916.
Hoehn, Alvy M., Ottoville, Ohio. 1912.
Hoekzema, Otto Frederick, McBain, Mich. 1916.
Hogarty, John J., 1724 Webster St., Oakland, Cal. 1916.
Hogg, Edwin, 29 Butler Ave., Wilkes Barre, Pa. 1916.
Holden, E. H., 23 Sanford St., Springfield, Mass. 1916.
Hollander, Ferdinand, 4616 Corondelet St., New Orleans, La. 1915.
Hollingsworth, Frederick H., 39 4th St., Council Bluffs, Ia. 1915.
Hollingsworth, J. B., 105 Cambridge St., Ottawa, Ont. 1916.
Hollister, A. V., Clinton, Wis. 1916.
Hollister, Wm. L., Avon, Ill. 1916.
Holmes, W. B., 225 E. Washington St., Springfield, Ill. 1916.

- Holt, A. H., Charleston, W. Va. 1916.
Holt, Campbell L., Box 465, Norfolk, Va. 1915.
Hood, Archibald J., 910 Claauranald Ave., Montreal, Que. 1915.
Hoopes, Herbert, Bel Air, Md. 1915.
Hoover, Lee C., 11 So. 9th St., Richmond, Ind. 1916.
Hope, Frederick S., 134 N. Paxton St., Philadelphia, Pa. 1915.
Hopper, John B., 74 Maple Ave., Ridgewood, N. J. 1915.
Hopper, John G., Chesapeake City, Md. 1914.
Hornbaker, Jos. N., Front Royal, Va. 1916.
Horne, S. J., Stratton, Miss. 1916.
Horner, Glenn W., Westminster, Md. 1916.
Horner, Lewis D., Cor. Main St. & Bowen Ave., Woodstown, N. J. 1916.
Horstman, Edward, Newton, Miss. 1915.
Hoskins, Cheston M., 3452 Ludlow St., Philadelphia, Pa. 1915.
Hoskins, H. Preston, 30 Tireman Ave., Detroit, Mich. 1916.
Houchin, A. S., Newark, Del. 1915.
Houck, U. G., B. A. I., Washington, D. C. 1916.
Hover, E. V., Convoy, Ohio. 1916.
Howard, C. H., 271 Sheldon St., Houghton, Mich. 1915.
Howard, Clarence T., 11 N. Main St., Sullivan, Ind. 1916.
Howard, W. K., Houston Pk. Co., Houston, Tex. 1916.
Howe, Ivan G., Angelica, N. Y. 1916.
Howe, Walter E., 444 Federal Bldg., Denver, Colo. 1916.
Howell, Edgar C., Bishop, Cal. 1916.
Howett, Mark W., Brookville, Ohio. 1916.
Howle, Thos. Blake, Oxford, Ala. 1916.
Hoylman, John L., Franklin, Nebr. 1915.
Hoyman, Harry J., Livestock Exchange Bldg., So. St. Joseph, Mo. 1916.
Hubbell, Arthur D., 318 E. 2nd St., Los Angeles, Cal. 1916.
Hudson, Bentley F., Moweaqua, Ill. 1915.
Hudson, Percy Wilbur, Americus, Ga. 1915.
Hueben, Frank W., 1131 Riverview Ave., Kansas City, Kans. 1915.
Huebschmann, John, 625 S. 3rd St., Baltimore, Md. 1916.
Huelson, J., 348 W. 118 St., New York City, N. Y. 1916.
Huff, Logan B., Box 227, Aurora, Ill. 1915.
Huff, Wilson, 401 West Liberty St., Rome, N. Y. 1916.
Huffman, Lindney R., R. R. No. 7, Paris, Ky. 1916.
Huffman, Pleasant J., 104-5 Livestock Exchange Bldg., Fort Worth, Tex. 1913.
Hufnal, William Thomas, City Food Inspector, Port Arthur, Tex. 1913.
Hugins, Frank Almon, P. O. Bldg., South Side Sta., Omaha, Nebr. 1915.
Hull, Martin, 20 Federal Bldg., Kansas City, Kans. 1915.
Humphrey, Earl H., Santa Maria, Cal. 1914.
Humphreys, J. C., Chula, Mo. 1915.

- Hunt, Frank, 214 Washington St., Jamestown, N. Y. 1916.
Hunt, J. C. 84 N. Union St., London, Ohio. 1915.
Hurd, Ray B., 11th St. and 2nd Ave., Payette, Ida. 1916.
Hurst, Dan W., Box 218, Tecumseh, Neb. 1916.
Hurst, Wilbur H., Sioux Falls, S. D. 1916.
Hurt, Leslie M., 665 N. Fair Oaks Ave., Pasadena, Cal. 1916.
Husband, Aubrey G., 4th St., Belmont, Man. 1915.
Hutchinson, John, 7045 Emerald Ave., Chicago, Ill. 1915.
Huthman, G. H., 415 E. 7th St., Portland, Ore. 1915.
Hutton, John P., 350 Nold Ave., Wooster, Ohio. 1915.
Huyett, Walter G., East Market St., Wernersville, Pa. 1916.
Hyde, Thomas F., Brookville, Ind. 1916.
Hyland, Eugene H., Schuyler, Neb. 1915.
Hylton, Floyd D., Box 612, Longmont, Colo. 1916.
Ide, Almond H., 28 E. Elm St., Lowville, N. Y. 1916.
Imes, Marion, Room 22, Federal Bldg., Kansas City, Kans. 1916.
Ingram, F. A., Com. of Agriculture, Hartford, Conn. 1916.
Ingram, William L., Florence, Ala. 1916.
Irvine, D. A., 1127 Keele St., Toronto, Ont. 1916.
Irwin, Ivan B., Stonewall, Man. 1912.
Irwin, Samuel, 24 W. Jackson St., Battle Creek, Mich. 1916.
Irwin, W. G., 336 W. Main St., Carlisle, Ky. 1916.
Isbell, George P., East 9th St., Hopkinsville, Ky. 1914.
Ivens, Wm. H., 5328 Haverford Ave., Philadelphia, Pa. 1916.
Iverson, John P., Box 287, Sacramento, Cal. 1915.
Jackson, C. C., East Villard St., Dickinson, N. D. 1916.
Jackson, Frank B., Camden, Ohio. 1915.
Jackson, W. P., 429 Salem St., Chico, Cal. 1916.
Jacob, M., 312 W. Church Ave., Knoxville, Tenn. 1915.
Jacobs, Thomas B., Newberry, S. C. 1916.
Jaffray, Davis S., Jr., 209 N. Des Plaines St., Chicago, Ill. 1916.
Jago, Thomas E., Athens, Ga. 1916.
Jakeman, Harry W., University of Nevada, Reno, Nev. 1916.
Jakeman, Wm., Glace Bay, N. S. 1916.
Jakeman, W. W., Halifax, N. S. 1916.
James, Thomas D., 1123 Washburn St., Scranton, Pa. 1915.
James, Wm. H., 557 LaSalle Rd., Verdun, Que. 1915.
Jameson, John W., 817 Pleasant St., Paris, Ky. 1915.
Jarman, G. A., Chestertown, Md. 1915.
Jefferies, Jos. R., Columbus, N. M. 1916.
Jefferson, Joseph H., Chicago Jet., Ohio. 1915.
Jeffrey, Fred M., 1890 N. 12th St., Toledo, Ohio. 1915.
Jelen, Frank, Box 734, Cedar Rapids, Ia. 1915.
Jenkins, Elbert A., 2027 Morgan St., Shelbyville, Ill. 1915.
Jenks, Ralph C., 78 Croton Ave., Ossining, N. Y. 1915.
Jennings, C. G., Morris, Minn. 1916.
Jensen, H., 1320 Main St., Kansas City, Mo. 1916.
Jervis, Horace B. F., 1205 Lady St., Columbia, S. C. 1916.

- Jervis, James G., 3694 Victoria Drive, Vancouver, B. C. 1916.
Jessen, Julius A., Shelby, Ia. 1916.
Jewell, Charles H., 4th Cavalry, Schofield Barracks, Honolulu, Hawaii. 1916.
Johannes, Conrad J., 22 Garfield Ave. S., Hamilton, Ont. 1916.
John, Carl E., Buckhannon, W. Va. 1916.
Johns, Clarence A., 120 W. Washington St., Medina, Ohio. 1916.
Johnson, Aaron V., 103 E. Oat St., New Albany, Ind. 1915.
Johnson, Homer, Bussey, Ia. 1916.
Johnson, Howard C., Brighton, Ia. 1916.
Johnson, Joseph, Union Stock Yards, Lancaster, Pa. 1915.
Johnson, Levi E., 429 Pecks Ave., San Antonio, Tex. 1916.
Johnson, Oscar Joseph, Box 661, Miles City, Mont. 1916.
Johnson, Philip E., Dayton, Ia. 1916.
Johnson, Ralph H., Woodhull, Ill. 1916.
Johnston, J. Fred, St. John, N. B. 1916.
Johnston, Nerls A., 21 Loren St., Wetaskiwin, Alta. 1916.
Joly, A., 60 Silver St., Waterville, Maine. 1915.
Jones, Albert C., 108 W. Washington St., High Point, N. C. 1915.
Jones, Chas. A., North Yakima, Wash. 1916.
Jones, Frederic S., Rockefeller Institute, 66th and Ave. A., New York, N. Y.
Jones, George Andrew, Box 102, Sedro Wooley, Wash. 1915.
Jones, George B., Sidell, Ill. 1915.
Jones, James M., Lewisburg, Tenn. 1916.
Jones, Philip K., 5604 Harvard St., Pittsburgh, Pa. 1913.
Jones, W. F., 311 Second St. E., McCook, Nebr. 1916.
Jopling, William, North Star, Mich. 1915.
Joss, Jesse M., Room 3327 Federal Bldg., Lincoln Nebr. 1915.
Joy, James J., 243 Collingwood Ave., Detroit, Mich. 1915.
Joyce, C. O., R. R. Box 406, Indianapolis, Ind. 1915.
Juckniess, Paul, 617 N. 23rd St., So. Side Sta., Omaha, Nebr. 1915.
Juhl, Chris E., Osage, Ia. 1916.
Julien, Ren C., Delphi, Ind. 1916.
Jung, Otto E., 1514 West 30th St., Oklahoma City, Okla. 1915.
Jungerman, George T., Morrill, Kans. 1915.
Kaiser, A. J., Kingsburg, Cal. 1915.
Kalkus, Julius, 805 Linden Ave., Pullman, Wash. 1916.
Kammerer, R. A., 700 South Kingshighway, St. Louis, Mo. 1915.
Kann, R. L., Mechanisburg, Pa. 1915.
Kannal, Harvey J., Rensselaer, Ind. 1916.
Kartrude, Eilert H., Jasper, Minn. 1915.
Katsunuma, Tomitzo, U. S. Immigration Service, Honolulu, H. T. 1915.
Kaupp, B. F., West Raleigh, N. C. 1916.
Kay, Gustav A., B. A. I., South Side Sta, Omaha, Nebr. 1916.
Kaylor, James M., Barry, Ill. 1916.
Kean, Thomas J., 1630 W. Suydenham St., Philadelphia, Pa. 1916.

- Keane, Charles F., State Capitol, Sacramento, Calif. 1916.
Keefe, E. M., Winters, Cal. 1915.
Keehn, Wm. G., 2537 State St., Chicago, Ill. 1915.
Keeley, Peter T., 238 N. Elm St., Waterbury, Conn. 1915.
Keelor, J. R., Harleysville, Pa. 1915.
Keene, Chas. A., 25 Beacon St., Fitchburg, Mass. 1916.
Keene, Harry L., Shabbona, Ill. 1916.
Keepers, Robert W., Greencastle, Pa. 1915.
Keller, T. O., Ridgeville, Ind. 1915.
Kelly, James S., 31 Exch. Bldg., Wichita, Kans. 1916.
Kelly, Thomas, 1204 Pine St., Philadelphia, Pa. 1916.
Kelly, Wm. Henry, 233 Western Ave., Albany, N. Y. 1916.
Kelpe, Henry O., Box 464, Albuquerque, N. M. 1916.
Kelser, Raymond A., B. A. I., Washington, D. C. 1916.
Kelsey, Harry R., 1344 23rd St., Newport News, Va. 1916.
Kemp, Donald T., St. Louis, Mich. 1916.
Kempf, Silas, Roanoke, Ill. 1916.
Kendrick, A. D., Homer, La. 1916.
Keneley, Frank Thomas, Twin Falls, Ida. 1916.
Kennedy, E. D., Ogden, Utah. 1916.
Kennedy, James F., Bloomington, Wis. 1916.
Kennedy, R. T., Bucyrus, Ohio. 1916.
Kennedy, W. W., 74 E. First St., Fulton, N. Y. 1915.
Kenney, Thos. G., Bismarek, N. D. 1915.
Keresey, Dennis L., 15 Bridge St., Danbury, Conn. 1915.
Kern, Charles B., Beloit, Kans. 1915.
Kern, Harry F., 1208 Heard Nat. Bank Bldg., Jacksonville, Fla. 1915.
Kernkamp, Howard, 829 East 3rd St., St. Paul, Minn. 1916.
Kerr, Owen, Turlock, Cal. 1916.
Ketchum, F. D., S. St. Paul, Minn. 1915.
Kettlehorn, A. H., Broadway, Columbus, Wis. 1916.
Keyes, Burton, 118 Falmouth St., Sydney, C. B., N. S. 1916.
Keys, Archibald A., 117 N. 10th St., Minneapolis, Minn.
Kickbusch, Frank O., B. A. I., Grand Rapids, Wis. 1916.
Kielsmeier, S. G., Plymouth, Wis. 1916.
Kiernan, John A., B. A. I., Birmingham, Ala. 1915.
Kigin, Lawrence C., Lafayette, Ind. 1915.
Kigin, Thomas F., 102 No. Green St., Tipton, Ind. 1916.
Kille, Wilmer B., 127 Grant St., Salem, N. J. 1915.
Kincaid, Albert R., Stonington, Ill. 1916.
King, D. Edward, Jr., Box 1299, Mobile, Ala. 1916.
King, John, Carlisle, Sask. 1916.
King, Paul R., Remount No. 2, Ft. Sam Houston, Texas. 1915.
King, Samuel A., 77 Albany Ave., Waycross, Ga. 1915.
King, William M., 1671 Folsom St., San Francisco, Cal. 1916.
Kingman, Harry E., State Agri. College, Fort Collins, Colo. 1916.
Kingman, H. W., 19 West Canton St., Boston, Mass. 1915.

- Kingston, Richard H., 41 Convent Ave., New York, N. Y. 1916.
Kinney, William M., 133 So. Grant St., Wooster, Wayne Co., Ohio. 1916.
Kinsey, George W., 931 Market St., Wheeling, W. Va. 1916.
Kinsley, A. T., 1336 E. 15th St., Kansas City, Mo. 1916.
Kinsley, C. C., Oakley, Kans. 1916.
Kinyon, B. F., Ladysmith, Wis. 1915.
Kippen, N. A., Independence, Ia. 1916.
Kirby, A. C., Page, N. D. 1916.
Kirby, Bassett, 85 Cooper St., Woodbury, N. J. 1915.
Kjerner, Rudolph, Chatfield, Minn. 1915.
Klein, Louis A., 39th & Woodland Ave., Philadelphia, Pa. 1916.
Kline, A. J., Fulton St., Wauseon, Ohio. 1915.
Kliphardt, Wm. A., 3537 A. Wyandotte St., Kansas City, Mo. 1915.
Klotz, Joseph W., Noblesville, Ind. 1915.
Knapp, Anton E. (Mail returned). 1913.
Knapp, Albert C., 2414 North Ave., Bridgeport, Conn. 1916.
Knapp, G. A., Millbrook, N. Y. 1916.
Knapp, V. M., 37 New St., Danbury, Conn. 1916.
Knight, Ralph F., 109 W. Henley St., Olean, N. Y. 1915.
Knowles, Albert D., 302 S. 4th St., W., Missoula, Mont. 1916.
Knowles, Virgil W., 305 Federal Bldg., Oklahoma, Okla. 1916.
Knutzen, Virgil H., Cleveland, Miss. 1916.
Koch, Julius, East Second St., Downey, Cal. 1916.
Kocher, Frank T., Marietta, Pa. 1916.
Koehler, Edward F., 6th and Church St., Easton, Pa. 1916.
Koen, John Stratton, Room 18, Federal Bldg., Des Moines, Ia. 1915.
Koon, George H., 12th Cavalry, Hachita, N. Mex. 1916.
Koonce, Lafayette F., 324 S. Blount St., Raleigh, N. C. 1915.
Korb, Walter A., Dept. of Agriculture, Iloilo Iloilo, P. I. 1915.
Kragness, T. A., 6031 Wentworth Ave., Chicago, Ill. 1915.
Kreamer, Wilbur C., 1010 Market St., Sunbury, Pa. 1916.
Kreider, W. E., Wadsworth, Ohio. 1916.
Krenziger, Martin W. Hotel Rudolph, Bowman, N. D. 1915.
Krey, Theodore F., 451 Sheridan Ave., Detroit, Mich. 1916.
Krohn, Lester D., 1465 60th St., Brooklyn, N. Y. 1916.
Kron, Oscar Jacob, 1386 Goldengate Ave., San Francisco, Cal. 1916.
Kubin, Edison F., McPherson, Kans. 1916.
Kuhn, J. M., Mercersburg, Pa. 1916.
Kulp, A. I., Box 349, Adel, Iowa. 1915.
Lacroix, J. Victor, 9 So. Clinton St., Chicago, Ill. 1915.
Ladson, Thomas Arthur, Hyattsville, Md. 1915.
Lamb, Charles G., 1140 Corona St., Denver, Colo. 1916.
Lamb, Percy, care Ernest Lamb, Worting Basingstable Hants, Eng. 1916.
Lambert, F. A., O. S. U., Columbus, Ohio. 1916.
Lambert, F. W., Box 29, New Windsor, Md. 1916.
Lambrechts, T., Box 71, Montevideo, Minn. 1916.

- Lames, G., Dysart, Ia. 1916.
Land, L. M., Limestone & Short Sts., Lexington, Ky. 1916.
Landon, Frank D. M., 16 Pleasant St., Great Barrington, Mass. 1915.
Langdon, Harry B., Charlestown, W. Va. 1916.
Lange, A. W., Lakemills, Wis. 1916.
Langevin, J. O., Hull, Que. 1916.
Langford, Samuel M., College St., Martinsburg, W. Va. 1916.
LaPointe, R., St. Peter, Minn. 1915.
Lapple, Edward, 132 Exch. Bldg., care Northern Serum Co., Sioux City, Ia. 1916.
Largent, Bert H., Battle Ground, Ind. 1915.
Larson, Louis N., P. O. Block, Whitehall, Wis. 1915.
Larson, Vernon S., Berlin, Wis. 1916.
Lash, Cris. D., B. A. I., So. St. Joseph, Mo. 1915.
Lasher, Geo. H., Rutland, Ohio. 1916.
Lassen, Christian W., 516 Bush St., Pendleton, Ore. 1916.
Latshaw, Joseph B., Ithaca, N. Y. 1916.
Law, James, 3 The Circle, Ithaca, N. Y. 1915.
Law, Samuel T., Colebrook, N. H. 1916.
Lawton, A. N., 2 Clinton Ave., Broadhead, Wis. 1914.
Lawton, Fletcher E., 110 Madison St., Greencastle, Ind. 1915.
Layne, Ernest, Huntington, W. Va. 1916.
Leach, E. D., 333 Clinton St., Ft. Wayne, Ind. 1916.
Leckie, Andrew A., Charlottetown, P. E. I. 1916.
LeClaire, Thos. Edw., P. O. Box 501, Calgary, Alta. 1916.
Lee, Daniel D., 549 Albany St., Boston, Mass. 1915.
Lee, J. D., Menomonie, Wis. 1916.
Lee, W. H., Brundidge, Ala. 1915.
Leech, G. Ed., 322 Main St., Winona, Minn. 1915.
Lees, Arnold F., Red Wing, Minn. 1916.
Legenhausen, Adolph H., Weldon, Ill. 1913.
Legner, Arthur J., Leland, Ill. 1916.
Leibold, A. A., 4515 North Robey St., Chicago, Ill. 1916.
Leigh, Beverly M., 411 20th Ave., Meridan, Miss. 1913.
Leininger, Daniel B., 7th Cavalry, Douglas, Ariz. 1916.
Leith, Fred J., 1401 Michigan Ave., Chicago, Ill. 1915.
Leith, T. L., Ames, Ia. 1916.
Lemley, Geo. Grant, 2106 Cumming St., Omaha, Nebr. 1915.
Lenfestey, John H., Lyons, Ohio. 1916.
Lentz, Wm. J., 39th & Woodland Ave., Philadelphia, Pa. 1916.
Leonard, Milton M., 18 South Park Square, Asheville, N. C. 1915.
Leslie, Chas. A., 10 Masonic Temple, Deadwood, S. D. 1915.
Lett, Haskell, 111 W. 3rd St., Seymour, Ind. 1916.
Letteney, James T., 42 Charles St., Rochester, N. H. 1916.
Leutholt, Henry, 250 Main St., Taylor, Pa. 1915.
Lewis, Harold M., 20 Railroad Sq., Nashua, N. H. 1916.
Lewis, Henry S., 110 Washington Ave., Chelsea, Mass. 1916.

- Lewis, James, Greenwood, Miss. 1915.
Lewis, Seymour V., Glenwood City, Wis. 1915.
Lewis, Watson F., Waseca, Minn. 1916.
Lewis, Walter K., 901 Union Nat'l Bank Bldg., Columbia, S. C. 1916.
Lichenwalter, H. W. C., 1215 15th St., Sacramento, Cal. 1916.
Lichty, Wm. W., Woodstock, Ill. 1915.
Leinhardt, H. F., 102 Lancaster Ave., Wayne, Pa. 1916.
Likely, Chas. W., Ankeny, Ia. 1916.
Linberg, John W., 228 N. 53rd St., Philadelphia, Pa. 1915.
Linch, Charles, 123 North Allen St., Albany, N. Y. 1915.
Lincoln, Willis B., Neuhoft Abattoir & Packing Co., Nashville, Tenn. 1915.
Lindburg, O. Enoch, Union Stock Yards, Sioux City, Ia. 1915.
Lindley, Paul S., Paoli, Ind. 1915.
Lipp, Carl Frederick, 4040 Prairie Ave., Chicago, Ill. 1916.
Lipp, Charles C., Brookings, S. D. 1915.
Lipp, George A., Box 818, Roswell, N. M. 1916.
Lobdell, Stephen C., 6 S. 3rd St., LaFayette, Ind. 1916.
Locke, George H., Lockford, Cal. 1915.
Lockett, Stephen, Univ. of Nev., Reno, Nev. 1916.
Lockhart, Andrew A., Box 131, Carnduff, Sask. 1916.
Lockhart, Ashe, 1336 East 15th St., Kansas City, Mo. 1916.
Logan, Edward A., 3209 Mitchell Ave., St. Joseph, Mo. 1915.
Logan, James A., Oakes, N. D. 1915.
Lollar, Ernest E., Red Cloud, Nebr. 1915.
Lombard, Charles M., 4502 Emerald Ave., Chicago, Ill. 1915.
Longley, Otis A., 24th and Broadway, Western Laboratories, Oakland, Cal. 1916.
Longnecker, Allen G., Hickman, Ky. 1916.
Lothe, Herbert, Waukesha, Wis. 1915.
Louck, Rex Clark, Clarence, Ia. 1915.
Love, Grover V., Main St., Chalmers, Ind. 1916.
Lovejoy, J. W., Federal Bldg., Augusta, Ga. 1916.
Loveland, Grove W., 49 East Main St., Torrington, Conn. 1916.
Lovell, Roy, 200 W. 5th St., York, Nebr. 1915.
Lowe, J. Payne, 171 Jefferson St., Passaic, N. J. 1915.
Lowrey, Frederick H. S., 1127 Keele St., Toronto, Ont. 1916.
Lucas, Clinton E., Olney, Ill. 1916.
Lueder, Charles A., 752 North Front St., Morgantown, W. Va. 1916.
Lukes, Harry, 441 Sumner Ave., Springfield, Mass. 1916.
Lull, Elmer L., Parma, Ida. 1916.
Lundell, A. O., 218 Livestock Exchange, Fort Worth, Tex. 1916.
Luther, W. H., Boonville, Ind. 1915.
Luzadar, Roy A., Morrisonville, Ill. 1916.
Lyman, Richard P., P. O. Box 1018, East Lansing, Mich. 1916.
Lynch, John E., 124 West 22nd St., Indianapolis, Ind. 1916.
Lyon, H. C., Hutchinson, Minn. 1916.

- Lytle, Harrison W., Salem, Ore. 1916.
MacCormack, Douglas C., North Baltimore, Ohio. 1915.
MacIntosh, Robert Duncan, 296 Danforth Ave., Toronto, Ont. 1914.
MacIsaac, D. A., St. Andrews, N. S. 1916.
Mack, C. A., Gilbert Plains, Man. 1916.
Mack, James F., River Falls, Wis. 1916.
Mack, Winfred B., University of Nevada, Reno, Nev. 1916.
MacKellar, Robert S., 351 West 11th St., New York, N. Y. 1916.
MacKellar, Wm. M., 211 Federal Bldg., Atlanta, Ga. 1916.
Mackie, Clement L. (Mail returned,) 1913.
Mackie, Cyril, N. Y. State Vet. College, Ithaca, N. Y. 1916.
Mackie, F. H., 1035 Cathedral St., Baltimore, Md. 1916.
MacMaster, Donald A., Dalkeith, Ont. 1916.
MacMillan, Donald, Box 74, High River, Alta. 1916.
Madson, Wm., Appleton, Wis. 1916.
Maguire, Francis X., Hotel Warwick, Newport News, Va. 1916.
Mahaffy, Thomas J., 903 W. Forsythe St., Jacksonville, Fla. 1916.
Mahon, James, 405½ Main St., Irwin, Pa. 1915.
Mair, Alexander M., 131 S. Bloomington St., Streator, Ill. 1916.
Major, John P., City Bldg., Anderson, S. C., 1916.
Makins, E., Jr., Box 445, Abilene, Kans. 1915.
Malcolm, Peter, New Hampton, Ia. 1915.
Malone, William J., Mt. Horeb, Wis. 1916.
Maloney, Thos. E., 1095 N. Main St., Fall River, Mass. 1916.
Mangan, Daniel J., 2557 Third Ave., Bronx, New York, N. Y. 1916.
Mansfield, Charles M., 1344 Newton St., N. W., Washington, D. C. 1916.
Mantor, Herbert O., 354 Chestnut Ave., Long Beach, Cal. 1916.
Manuel, Edward A., 232 Park Pl., Des Plaines, Ill. 1915.
Marks, Daniel G., 548 West 12th St., Chicago, Ill. 1915.
Marquardt, S. J., Barnesville, Ohio. 1915.
Marquis, Francis M., French Camp, Cal. 1916.
Marriott, Wm. H., 2 Harrington Pl., Ottawa, Ont. 1916.
Marsh, Hadleigh, 3401 16th St., N. W., Washington, D. C. 1916.
Marshall, Charles W., Main St., Brewster, N. Y. 1915.
Marshall, Clarence J., 39th & Woodland Ave., Philadelphia, Pa. 1916.
Marshall, Freeman A., Barberton, Ohio. 1916.
Marshall, Henry, 202 Federal Bldg., Richmond, Va. 1916.
Marshall, Herbert, Mechem River, Va. 1916.
Marsteller, Ross P., College Station, Tex. 1916.
Martin, Harry D., 481 Rhode Island Ave., Buffalo, N. Y. 1916.
Martin, Robert D., 1192 Broad St., Bridgeport, Conn. 1916.
Martin, Stanley T., 281 James St., Winnipeg, Man. 1916.
Martin, W. E., 281 James St., Winnipeg, Man. 1916.
Marvel, Alex. L., Owensville, Ind. 1915.
Mason, A. L., Oahu, H. T. 1915.
Mason, William D., Box 488, Elko, Nev. 1915.

- Mathews, E., 187 Grand St., Jersey City, N. J. 1916.
Mattroce, Daniel L., "J" St., Los Banos, Cal. 1916.
Mauldin, Columbus E., Jeanerette, La. 1915.
Mawer, George C., 9219 Clifton Blvd., Cleveland, Ohio. 1916.
Maxon, Fay I., 62 Oakland Terrace, Hartford, Conn. 1916.
Maxson, Wilbur B., Flemington, N. J. 1915.
Mayer, Gustave P., Elk Rapids, Mich. 1916.
Maynard, Lee H. P., 1937 Market St., Philadelphia, Pa. 1916.
Maze, Luther A., care Parke, Davis & Co., Rochester, Mich. 1915.
McAdory, Isaac S., Auburn, Ala. 1915.
McAlister, Rancie G., 1259 Fillmore St., Corvallis, Ore. 1916.
McAlpine, D., Box 696, Brockville, Ont.
McBride, Wm. J., Amherstburg, Ont. 1916.
McCaffrey, James, Lock Box 83, Red Bank, N. J. 1915.
McCall, Wm. R., Oklahoma City, Okla. 1916.
McCarthy, F. H., 317 N. 3d St., Pottsville, Pa. 1915.
McCarthy, Henry J., Arlington, Md. 1915.
McCarthy, Nathaniel, Castor, Alta. 1916.
McCarthy, Thos. A., Santa Fe, N. M. 1914.
McCartney, John, Middletown, N. Y. 1916.
McCaskill, Alexander W., Weyburn, Sask. 1915.
McCaughey, N. W., Church St. Veterinary Hospital, Presque Isle, Me. 1915.
McClellan, Milton P., 222 Hongus Crescent, Regina, Sask. 1915.
McClelland, Alfred H., Walton, N. Y. 1916.
McClelland, Frank E., 455 Ellicott Ave., Buffalo, N. Y. 1916.
McCloskey, Anthony J., Chestnut Hill, Pa. 1915.
McCord, Frank A., 215 Queens Ave., Edmonton, Alta. 1915.
McCowen, D., Edgeley, N. D. 1915.
McCoy, Ellis E., Canton, Miss. 1916.
McCoy, Franklin C., 1623 South I. St., Bedford, Ind. 1916.
McCoy, John E., Lock Box 21, Cawker City, Kans. 1916.
McCrack, J. A., 79 Saily Ave. Plattsburg, N. Y. 1915.
McCuaig, D., McAdam Jet., N. B. 1916.
McCulley, Robert W., 38 Lexington Ave., New York, N. Y. 1915.
McCullough, Edw. Alex, 219 McDowell St., Delavan, Wis. 1916.
McCurdy, Frank C., 616 N. 10th St., St. Joseph, Mo. 1915.
McCushing, Francis P., 104 High St., Keene, N. H. 1915.
McDaniel, J. C., 1319 S. A. St., Elwood, Ind. 1915.
McDaniel, John S., East Lansing, Mich. 1915.
McDonald, D. M., 3932 Pleasant Ave., Minneapolis, Minn. 1916.
McDonough, James, 47 Portland Place, Montclair, N. J. 1915.
McDonough, John F., 1707 S. 22d St., Philadelphia, Pa. 1915.
McDowell, Harris B., Box 77, Middletown, Del. 1916.
McElyea, Lewis W., Ames, Ia. 1915.
McFarland, C. M., 230 Exch. Bldg., Sioux City, Ia. 1916.
McFatrige, Howard S., 30 Argyle St., Halifax, N. S. 1915.
McGillivray, George, Box 303, Roseau, Minn. 1916.

- McGilvray, Chas. D., Dept. of Agriculture, Winnipeg, Man. 1916.
McGinnis, Ralph W., 724 Washington Ave., Ogden, Utah. 1916.
McGrath, Miss Elinor, 3217 Indiana Ave., Chicago, Ill. 1916.
McGroarty, Bernard, Boothwyn, Pa. 1913.
McGuire, W. C., Pitt & Second Sts., Cornwall, Ont. 1915.
McInnes, Benjamin K., 57 Queen St., Charleston, S. C. 1916.
McIntosh, Chas., 74 La Salle Road, Verdun, Que. 1916.
McIntyre, John S., Foam Lake, Sask. 1916.
McKay, Alexander M., 527 4th Ave., Calgary, Alta. 1915.
McKenna, John F., 616 Eye St., Fresno, Cal. 1916.
McKenzie, K. J., Northfield, Minn. 1916.
McKercher, Arthur, 115 Ionia St. E., Lansing, Mich. 1915.
McKey, John, 1926 W. 1st St., Duluth, Minn. 1915.
McKillip, Chester A., 1639 Wabash Ave., Chicago, Ill. 1916.
McKillip, George B., 1639 Wabash Ave., Chicago, Ill. 1916.
McKillip, Matthew H., 1639 Wabash Ave., Chicago, Ill. 1915.
McKillip, Walter J., 1639 Wabash Ave., Chicago, Ill. 1916.
McKim, Charles A., 2510 P. St., Lincoln, Nebr. 1915.
McKim, H. C., 665 N. Fair Oaks, Pasadena, Cal. 1916.
McKim, Orville E., 338 West 56th St., New York City. 1915.
McKinney, Wm. J., 585 Driggs St., Brooklyn, N. Y. 1915.
McKinnon, John A., Land Transportation, Manila, P. I. 1916.
McLain, John H., Inkster, N. D. 1916.
McLaughlin, Wm., Rush City, Minn. 1916.
McLean, Adam T., Truro, N. S. 1915.
McLean, Wm. C., San Mateo, Cal. 1916.
McLeay, John D., Indianapolis, Ind. 1915.
McLeod, J. H., Charles City, Ia. 1915.
McMullen, Robert H., 444 Federal Bldg., Denver, Colo. 1916.
McNair, Frederick H., 2126 Haste St., Berkeley, Cal. 1916.
McNally, Michael, 1412 Pine St., St. Louis, Mo. 1914.
McNamara, W. F., 8 Green St., Worcester, Mass. 1916.
McNaughton, D. D., 717 Kelly Ave., Devil's Lake, N. D. 1915.
McNeal, Harry T., Lancaster, Pa. 1916.
McNeal, Neal, Burkettsville, O. 1916.
McNeil, John H., 39th and Woodland Ave., Philadelphia, Pa. 1916.
McNiven, Alexander, Williston, N. D. 1916.
McPike, Clarence, Cando, N. D. 1916.
Mead, R. N., 301 Federal Bldg., care B. A. I., Indianapolis, Ind. 1916.
Meador, Daniel J., Auburn, Ala. 1916.
Meadors, W. H., National Stock Yards, E. St. Louis, Ill. 1915.
Meads, Frederick F., 477 Cherokee, Okla. 1916.
Mebane, Wm. Long, Rockwood, Maine. 1915.
Megowan, Claude L., 1021 J. St., Sacramento, Cal. 1916.
Meiners, R. F., Boonton, N. J. 1914.
Meixel, Earl J., Rapid City, S. Dak. 1916.
Mendenhall, Maurice, Detroit, Mich. 1916.

- Merillat, Louis A., 1827 South Wabash Ave., Chicago, Ill. 1916.
Merriman, Cecil M., Mt. Pulaski, Ill. 1916.
Metcalf, Glenn A., Knoxville, Tenn. 1916.
Metcalf, A. R., Van Kleek Hill, Ont. 1916.
Metzger, Geo. E., 99 Western Ave., Minneapolis, Minn. 1916.
Meyer, George W., 528 Washington St., New York, N. Y. 1916.
Meyer, Karl F., 2d and Parnassus Ave., San Francisco, Cal. 1916.
Meyst, Frederick W., 144 Bryant St., N. W., Washington, D. C. 1915.
Michael, Leo B., East Main St., Collinsville, Ill. 1915.
Michael, Wm. R., Highland, Ill. 1916.
Michner, Hiram M., North Wales, Pa. 1914.
Middleton, Asa C., Grundy Center, Ia. 1916.
Milks, Howard J., N. Y. State Vet. Col., Ithaca, N. Y. 1916.
Mill, Benj. F., Denison, Ia. 1916.
Millard, Hugh R., 2507 Central Ave., Cheyenne, Wyo. 1916.
Millen, Charles J., care Jacob E. Decker & Sons, Mason City, Iowa. 1916.
Miller, A. W., Box 162, South Side Station, Omaha, Nebr. 1915.
Miller, C. A., 411 S. Jackson St., Louisville, Ky. 1916.
Miller, Chester, Elliot & Co., Duluth, Minn. 1915.
Miller, Dale A., 29 Vine St., Dayton, Ohio. 1913.
Miller, Daniel S., 1017 S. 47th St., Philadelphia, Pa. 1915.
Miller, Frederick A., Fitchburg, Mass. 1916.
Miller, Harry K., 128 W. 53rd St., New York, N. Y. 1916.
Miller, John F., 24 New Scotland Ave., Albany, N. Y. 1915.
Miller, John M., 152 Louis St., Grand Rapids, Mich. 1916.
Miller, John P., 46 Reed St., Reading, Pa. 1913.
Miller, Melvin W., Box 464, Albuquerque, N. M. 1916.
Miller, Thomas C., 600 Tribune Bldg., Winnipeg, Man. 1916.
Miller, W. J., Indianola, Iowa. 1916.
Mills, C. C., 355 E. Main St., Decatur, Ill. 1916.
Mills, Lee H., 118 Pearl St., Burlington, Vt. 1913.
Miner, George H., 180 Claremont Ave., Buffalo, N. Y. 1915.
Missall, Frank C., Cor. Mill and Pine St., Santa Maria, Cal. 1916.
Mitchell, Adrian J., Sr., 1219 Peach St., Erie, Pa. 1916.
Mitchell, Aquila, 3rd Artillery, U. S. A., Fort Sam Houston, Tex. 1916.
Mitchell, George C., Kalmath Falls, Ore. 1915.
Mitchell, Harry B., R. F. D. 2, Wellsboro, Pa. 1915.
Mitchell, James F., 212 East 8th St., Anaconda, Mont. 1915.
Mitterling, Ira, 302 Montgomery St., Hollidaysburg, Pa. 1916.
Mix, C. C., 110 W. Jackson St., Battle Creek, Mich. 1916.
Mock, C. E., Ryegate, Mont. 1916.
Mock, Wm., 53 North Fourth St., Easton Pa. 1916.
Moegling, Richard E., 3017 Jefferson Ave., Cincinnati, Ohio. 1913.
Mohler, John R., Dept. of Agriculture, Washington, D. C. 1916.
Molgard, Peter C., Ruskin, Neb. 1916.

- Molt, Fred S., Big Spring, Tex. 1915.
Moody, Arthur H., 402 Armitage St., Three Rivers, Mich. 1915.
Moody, Geo. C., Mason, Mich. 1916.
Moody, Robert P., 111 Sutton St., Maysville, Ky. 1916.
Moore, A. E., 175 Waverly St., Ottawa, Ont. 1915.
Moore, Charles S., 5 Oak St., Danvers, Mass. 1916.
Moore, Hamlet, 610 N. Rampart St., New Orleans, La. 1915.
Moore, Herbert K., 4300 Ellis Ave., Apt. D. 2, Chicago, Ill. 1916.
Moore, Hubert O., Box 299, Hattiesburg, Miss. 1915.
Moore, Robert C., St. Joseph Vet. College., St. Joseph, Mo. 1916.
Moore, Robert G., Dunlap, Ia. 1916.
Moore, Sheard, 608 Iberville St., Donaldsonville, La. 1916.
Moore, Veranus A., 914 E. State St., Ithaca, N. Y. 1916.
Moorehouse, Wm. B., 37 Main St., Tarrytown, N. Y. 1913.
Morehouse, Walter G., 746 Mill St., Salem, Ore. 1915.
Morey, B. Franklin, 235 S. Main St., Clinton, Ind. 1915.
Morgan, Frank W., 6th & Cherry Sts., Chattanooga, Tenn. 1916.
Morgan, Ray, Skidmore, Mo. 1916.
Morgan, Samuel S., Richmond, Mo. 1916.
Morgan, Wm. Jerome, Seaton, Ill. 1916.
Morin, C. L., 9 Messenger St., St. Albans, Vt. 1915.
Morris, Edward H., 221 Main St., Derby, Conn. 1915.
Morris, Harry, Experiment Station, Baton Rouge, La. 1915.
Morrow, Albert C., Dillon, Mont. 1915.
Morse, Jas. E., 3 Brock Crescent, Toronto, Ont. 1916.
Morse, John H., Box 377, Sumter, S. C. 1915.
Moss, Harry T., 710 W. Third St., Dayton, Ohio. 1916.
Mount, Willet C., 825 Crittenden St., Red Bluff, Cal. 1916.
Moyer, Calvin W., Quakertown, Pa. 1915.
Moyer, Frank Leonard, Carey, Ohio. 1916.
Moyer, Vincent C. 1914.
Moyniham, William, 135 Wright Ave., Toronto, Ont. 1916.
Mueller, Ferdinand A., 459 E. Washington St., Indianapolis, Ind. 1916.
Muller, Herman J., Long Green, Md. 1916.
Mulvey, Charles J., Mooers, New York. 1916.
Munce, Thomas W., care H. K. Mulford Co., Glenolden, Pa. 1915.
Munce, Edward T., State Livestock Sanitary Board, Harrisburg, Pa. 1915.
Munger, Grant B., 2226 N. Illinois St., Indianapolis Ind. 1916.
Munn, Albert A., Kearney, Nebr. 1916.
Munn, Ahizah J., Fayette, Mo. 1915.
Murch, Alfred Littlefield, 17 Boynton St., Bangor, Me. 1915.
Murison, James J., Manor St., Arcola, Sask. 1916.
Murphey, Howard Sylvester, 519 Welch Ave., Ames, Iowa. 1916.
Murphy, Bernard W., 604 N. 11th St., St. Joseph, Mo. 1915.
Murphy, Daniel E., Prairie du Sac, Wis. 1916.
Murphy, Francis P., 1813 N. 2nd St., Philadelphia, Pa. 1914.

- Murphy, Joseph Whitmore, 901 Union Bank Bldg., Columbia, S. C. 1916.
- Murray, Alexander G., Ingersoll, Ont. 1916.
- Musselman, S. F., Frankfort, Ky. 1916.
- Mydland, Gustav Herman, Everest, Kans. 1916.
- Myers, Chas. H., 100 Berlin St., Middletown, Conn. 1916.
- Myers, Harry E., 140 S. Main St., Fostoria, Ohio. 1916.
- Myers, Sidney D., 215 Walnut St., Wilmington, Ohio. 1916.
- Nance, Joseph E., Anadarko, Okla. 1915.
- Nash, Elmer Dennett, 717 Sixth Ave., Helena, Mont. 1915.
- Nattress, Joseph T., Delevan, Ill. 1915.
- Naylor, Ralph Edelen, Box 397, Cheyenne, Wyo. 1915.
- Neidig, C. C., Luck, Wis. 1916.
- Neilson, Norman, 345 Market St., Colusa, Cal. 1915.
- Nelson, Amos F., 656 E. 21st St., Indianapolis, Ind. 1916.
- Nelson, Charles A., 224 Front St., Brainard, Minn. 1915.
- Nelson, Conrad L., 810 S. 16th St., St. Joseph, Mo. 1915.
- Nelson, Nelson L., Box 295, Ames, Ia. 1916.
- Neuhaus, Charles O., Union Stock Yards, Pittsburgh, Pa. 1915.
- Newburg, Louis, 2442 Forest Ave., Kansas City, Mo. 1916.
- Newcomb, Harrie H., Salem, Mass. 1916.
- Newcomer, E. W., Mt. Joy, Pa. 1916.
- Newgent, Ottaway C., 1448 Sycamore St., Terre Haute, Ind. 1916.
- Newhard, Irwin C., 400 Center St., Ashland, Pa. 1916.
- Newman, Lloyd V., 800 Lincoln Ave., York, Nebr. 1915.
- Newsom, I. Ernest, Colo. Agricultural College, Ft. Collins, Colo. 1916.
- Newton, J. V., 619 Walnut St., Toledo, Ohio. 1916.
- Ney, William O., Michigan City, Miss. 1914.
- Nice, Frank K., 3514 N. 15th St., Philadelphia, Pa. 1915.
- Nicholas, George B., 1404 Homes St., Kansas City, Mo. 1914.
- Nichols, Abner Z., Hillsdale, Mich. 1916.
- Nichols, Percival K., 107 Harrison Ave., Port Richmond, Staten Island, N. Y. 1915.
- Niday, C. Ross, 805 2nd Ave., Gallipolis, Ohio. 1916.
- Nighbert, E. M., 1208 Heard Nat'l Bank, Jacksonville, Fla. 1915.
- Nighbert, James D., Pittsfield, Ill. 1916.
- Niles, W. B., Box 927, Ames, Ia. 1915.
- Nissley, Solomon M., 18 Spring St., Bellefonte, Pa. 1916.
- Niven, Andrew B., Crawfordsville, Ind. 1914.
- Nixon, Robert B., Demopolis, Ala. 1915.
- Noack, Otto G., 54 S. 6th St., Reading, Pa. 1915.
- Noback, Charles V., Otisville, N. Y. 1916.
- Noble, Geo. Edw., 1312 Grove St., Boise, Idaho. 1916.
- Nolechek, Wm. F., Thorp, Wis. 1916.
- Noonan, Albert J., Bernard, Ia. 1913.
- Norden, Carl J., 1518 Pasco St., Kansas City, Mo. 1916.

- Norgaard, Victor A., Territorial Veterinarian, Honolulu, Hawaii. 1915.
- Norris, Clarence L., 4 L. S. Record Bldg., U. S. Stockyards, Chicago, Ill. 1915.
- Northrup, Leonard E., 105 N. Davidson St., Indianapolis, Ind. 1916
- Norton, Edwin S., Greenville, Miss. 1916.
- Norton, J. C., Cor. Washington & 1st Ave., Phoenix, Ariz. 1916.
- Norton, Oscar M., 109 Main St., Greenville, Miss. 1916.
- Norton, Robert S., Velva, N. D. 1915.
- Nowell, Luster D., 118 12th Ave., Humboldt, Tenn. 1916.
- Noyes, Orrin W., Valentine, Nebr. 1915.
- Nulph, Pearley E., Crosby, N. D. 1916.
- Nulty, Nathaniel S., Nevada, Ia. 1916.
- Nunn, Henry, Box 337, McMinnville, Ore. 1916.
- O'Banion, Archie L., 1209 W. 54th St., Los Angeles, Cal. 1915.
- O'Bryan, Sherid, Pesotum, Ill. 1916.
- O'Connor, Joseph, West Hope, N. D. 1915.
- Odell, Edwin O., Central City, Nebr. 1916.
- O'Donnell, Michael J., 241 Grove St., Blue Island, Ill. 1915.
- Oesterhaus, J. H., 465 Livestock Exch., Kansas City, Mo. 1915.
- O'Hara, Peter W., Manotick, Ont. 1916.
- O'Hara, R. T., Maxville, Ont. 1916.
- O'Harra, William G., Galloway, Ohio. 1915.
- Ojers, Samuel P., Box 454, Crete, Nebr. 1916.
- Oliver, Walter Gordon, 905 1st St., San Diego, Cal. 1916.
- Oliver, Karl M., 646 Central Bldg., Seattle, Wash. 1916.
- Olsen, Luther E., care U. S. B. A. I., St. Paul, Minn. 1915.
- Olson, Louis, McIntosh, Minn. 1916.
- Olthouse, Martin, Grass Lake, Mich. 1915.
- O'Neil, Wm. R., L. B. 494, Newman, Cal. 1916.
- Orchard, Geo. W., Windsor, Ont. 1916.
- O'Reilly, James M., 508 E. 3rd St., Merrill, Wis. 1915.
- Orme, Thos. Whitfield, 260 5th St., San Bernardino, Cal. 1916.
- O'Rourke, John Michael, 720 Valencia St., San Francisco, Cal. 1915
- Orr, William Crosby, Dillon, Mont. 1915.
- Ortiz, Carlos, 26 Villa St., Ponce, Porto Rico. 1913.
- Osborn, Orin H., Paynesville, Minn. 1915.
- O'Toole, Stephen, Atlanta Board of Health, Atlanta, Ga. 1916.
- Outhier, C. B., Salinas, Cal. 1916.
- Pace, John C., Box 597, Calexico, Cal. 1916.
- Paine, Harold, Rosetown, Saskatchewan. 1916.
- Palmer, Clinton Budd, No. 15 N. 2nd St., Easton, Pa. 1915.
- Palmer, Donald B., Livestock Sanitary Board. St. Paul, Minn. 1916.
- Palmer, Floyd Elbert, Owatonna, Minn. 1915.
- Palmer, H. F., Brooklyn, Mich. 1916.
- Paquette, J. D., Cuba City, Wis. 1916.
- Paquin, Charles Henry, 17 Fiske St., Worcester, Mass. 1916.

- Paquin, Leon A., Box 225, Webster, Mass. 1915.
Parker, Chas. S., Fayette, Ia. 1916.
Parker, John Clarke, 28 Pearl St., St. Albans, Vt. 1915.
Parker, Leon L., 439 Main St., Catskill, N. Y. 1916.
Parkinson, George H., Box 799, Middletown, Conn. 1915.
Parrish, Roscoe Damron, 1724 Davenport St., Omaha, Nebr. 1915.
Parrish, William Waller, 2808 Central Ave., Tampa, Fla. 1915.
Parse, Franklin L., Columbia, Miss. 1916.
Patric, Lewis A., 132 Cedar St., Snohomish, Wash. 1915.
Patrick, Murray E., Keystone Hotel, Penn. Ave., Greenburg, Pa. 1915.
Patterson, Elijah E., 650 Grand River Ave., Detroit, Mich. 1916.
Patterson, E. I., Box 34, Savannah, Ga. 1915.
Patterson, Henry G., 915 Gravier St., New Orleans, La. 1913.
Pattison, Homer D., Lock Box 40, Beloit, Wis. 1916.
Patton, Wm. T., Coutts, Alta. 1916.
Paul, Arthur, Box 291, Portersville, Cal. 1915.
Paxson, Wm. H., Marietta, Pa. 1916.
Paxton, Irving B., Box 562, Red Bluff, Cal. 1915.
Pearce, Charles D., 10 Carhart Ave., Binghamton, N. Y. 1916.
Pearce, Dee, Box 222, Celeste, Tex. 1916.
Pearce, Frank H., Carson, Ia. 1915.
Pearson, Charles, Amarillo, Tex. 1916.
Peck, Sanford Artisan, Oak Grove, Mo. 1915.
Pederson, Gunerius M., Hamler, Ohio. 1916.
Pedigo, George W., Glasgow, Ky. 1916.
Peirce, Harrie W., 83 Playstead Road, West Medford, Mass. 1915.
Peirce, Lawrence L., 452 Robbins Road, Arlington Heights, Mass. 1915.
Pendergast, Walter M., 316 West Willow St., Syracuse, N. Y. 1916.
Penniman, G. P., cor. Exchange & Commercial Sts., Worcester, Mass. 1915.
Perkins, Chester R., 19 Hillside Ave., Buffalo, N. Y. 1916.
Perrin, Floyd, Spencer, Nebr. 1916.
Perry, Burton A., Hastings, Mich. 1916.
Perry, Chas. H., 82 Park Ave., Worcester, Mass. 1915.
Perry, F. M., Edgell St., Framingham, Mass. 1915.
Perry, James G., Box 294, Ennis, Tex. 1915.
Peters, A. T., Box 43, Peoria, Ill. 1916.
Petersen, Theodore J., Ukiah, Calif. 1914.
Peterson, Peter T., 5618 E. 16th St., Oakland, Calif. 1916.
Pethick, W. H., Charlottetown, P. E. Isle. 1915.
Petty, Clarence C., Lake Odessa, Mich. 1915.
Pfarr, Albert Wm., 4623 Friendship St., Pittsburgh, Pa. 1916.
Pfersick, Jacob G., 3 Leonard St., Greenfield, Mass. 1915.
Phelps, Chas. D., Fifth St., Clear Lake, Ia. 1915.
Phelps, Oliver Jay, Mill St. Y. M. C. A. Bldg., Lexington, Ky. 1916.
Philips, Chas. S., Mt. Vernon, Wash. 1916.

- Phillips, J. M., 3732 W. Pine Blvd., St. Louis, Mo. 1915.
Phillips, S. C. 1914.
Philp, F. W., Lock Box 204, Mineral Point, Wis. 1915.
Phyfe, Walter H., 9 Grove St., Middletown, N. Y. 1915.
Piatt, D. A., 1706 2nd Ave., Birmingham, Ala. 1915.
Piatt, Harry B., 3618 N. 9th St., St. Louis, Mo. 1916.
Pickens, Earl Max, 106 Cook St., Ithaca, N. Y. 1916.
Pielemeier, Henry, R. D. No. 1, Solsberry, Ind. 1915.
Pierce, Foster H., Faulkton, S. D. 1915.
Pine, Henry E., Carrizosa, New Mex. 1916.
Pinkham, Gerald S., Coutts, Alta. 1916.
Pinkross, Rolf D., Camp Denison, Ohio. 1913.
Pirie, Leslie D., 172 Garfield St., Santa Cruz, Calif. 1915.
Pistor, Adolph J., B. A. I., Washington, D. C. 1916.
Plantz, John Frank, 50 E. Buchtel Ave., Akron, Ohio. 1915.
Plaskett, Wilford S., Clinton, Mass. 1916.
Platt, Robert M., Coldwater, Kas. 1915.
Playdon, C. H., Reading, Mass. 1916.
Plumer, Myron L., Branchville, N. J. 1916.
Plummer, Alex., 1215 W. 37th St., Los Angeles, Calif. 1916.
Poe, C. E., 113 E. Franklyn St., Hagerstown, Md. 1916.
Poirier, J. O., Trois Rivières, Que. 1916.
Pollard, John Saml., 183 Harrison St., Providence, R. I. 1916.
Pomfret, Henry, 158 Athol St., Winnipeg, Man. 1914.
Pooley, John R., 820 S. 14th St., Cedar Rapids, Ia. 1915.
Pope, George W., 1349 Meridian Place, N. W., Washington, D. C. 1915.
Porter, E. C., 120 N. Mercer St., New Castle, Pa. 1916.
Porter, Fred W., 104 W. Ross Ave., Tampa, Fla. 1916.
Pote, Thomas B., 4925 Park View Pl., St. Louis, Mo. 1915.
Potter, Geo., B. A. I., Washington, D. C. 1913.
Potter, Jasper S., 326 S. Capitol St., Iowa City, Ia. 1915.
Pottle, Leslie G., Quincy, Ill. 1916.
Poucher, M. M., 132 W. 3rd St., Oswego, N. Y. 1915.
Powell, E. W., Box 61, Bryn Mawr, Pa. 1915.
Power, Clinton W., 218 Perry St., Attica, Ind. 1916.
Powers, Maurice Ray, Norwalk, Conn. 1915.
Presler, H. A., Fairbury, Ill. 1916.
Preston, Marvin James. 1914.
Price, John O. F., care Rath Packing Co., Waterloo, Ia. 1916.
Price, Leo, 1309 Carroll St., Brooklyn, N. Y. 1916.
Priest, Benj. H., 501 Flowers St., Kern Branch, Calif. 1916.
Prior, Robert, 214 S. 2nd St., North Yakima, Wash. 1916.
Pritchard, John W., Fessenden, N. Dak. 1916.
Pritchard, Wm. T., North Platte, Nebr. 1915.
Pritchett, Lamar F., Auburn, Ala. 1915.
Prouse, Harvey Lee, Allen, Nebr. 1915.
Prouse, Wm. C., 615 4th Ave., Minneapolis, Minn. 1916.

- Prowett, H. L., Fullerton, Nebr. 1916.
Prucha, Joseph V., care Dr. Howe, Denver, Colo. 1915.
Pugh, Walter Maurice, Powers Lake, N. Dak. 1915.
Pugh, Wm. T., 57 Elm St., Southbridge, Mass. 1916.
Pullam, John H., Santa Ana, Calif. 1916.
Pulver, Wm. A., Wamego, Kan. 1915.
Purcell, Jno. T., Federal Bldg., Rapid City, S. Dak. 1916.
Purdy, Marion Alexander, 621 10th St., Shelbyville, Ky. 1915.
Pyper, Samuel T., 1221 Superior Ave., Dayton, Ohio. 1916.
Quigley, Roscoe Murphy, Logan Ave. and Herold St., Tyrone, Pa. 1914.
Quin, Abner H., Creston, Ia. 1915.
Quinn, James E., Antioch, Calif. 1915.
Quinn, P. E., 632 W. Washington St., Indianapolis, Ind. 1915.
Quitman, E. L., 1514 W. VanBuren St., Chicago, Ill. 1915.
Radeliff, Burdett D., 108 Franklin Sq., New Britain, Conn. 1916.
Rafter, Edward, Hamburg, N. Y. 1916.
Ragan, James A., 510 Liberty St., Morris, Ill. 1915.
Ragland, Marcus J., Salisbury, N. C. 1916.
Ramsey, R. A., B. A. I., Washington, D. C. 1915.
Ramsey, Samuel A., Jr., 234 Third St., Terre Haute, Ind. 1913.
Ramsey, Samuel V., 234 S. Third St., Terre Haute, Ind. 1916.
Ramsey, Wm. J. C., Box 481, Watsonville, Calif. 1915.
Ranck, Edw. M., Agricultural College, Miss. 1916.
Raue, Chas. A., 219 Federal Bldg., Spokane, Wash. 1916.
Rasmussen, Hilmar, Box 13, Tyler, Minn. 1916.
Rasmussen, J. C., Wyanet, Ill. 1916.
Rathbun, R. A., East Scobey, Mont. 1916.
Read, H. W., 27 Court St., Freehold, N. J. 1916.
Readhead, Wm., Lenox, Ia. 1915.
Reagan, W. J., 606 River St., Patterson, N. J. 1916.
Reardon, John D., 109 S. Capitol Ave., Indianapolis, Ind. 1916.
Reber, Abram N., 2104 N. Fremont St., Kansas City, Kans. 1916.
Rebold, George P., Stockton, Calif. 1916.
Records, Edw. J., Univ. of Nevada, Reno, Nev. 1916.
Redhead, Wm. H., Dept. of Health, Cleveland, Ohio. 1914.
Redman, Jos. F., Covington, Ind. 1916.
Reed, J. O., 230 E. New St., Lancaster, Pa. 1916.
Reed, Raymond C., Newark, Del. 1915.
Reefer, Leon N., 1405 Chapline St., Wheeling, W. Va. 1916.
Reichel, John, care H. K. Mulford Co., Glenolden, Pa. 1916.
Reichmann, Andrew Francis, Armour, S. Dak. 1916.
Reichmann, Ferdinand A., Geddes, S. Dak. 1916.
Reid, Jos. C., Biological Laboratory, Ottawa, Ont. 1916.
Reid, William, Yorkton, Sask. 1915.
Reidy, Jno. B., 1108 Jefferson Bank Bldg., Birmingham, Ala. 1916.
Reifsnyder, Irvin S., Collegeville, Pa. 1915.
Reihart, Oliver F., 4932 South 24th St., Omaha, Nebr. 1915.

- Rein, E. A., Lewiston, Mont. 1916.
Reno, John S., Southport, Ind. 1915.
Renter, Elmer J., 767 Delhi Ave., Cincinnati, Ohio. 1915.
Renter, Walter W., 1117 Overlook Ave., Cincinnati, Ohio. 1915.
Rentschler, Mandon D., 232 N. Front St., Punxsutawney, Pa. 1916.
Revercomb, Geo. Archie, Lewisburg, W. Va. 1915.
Rey, Charles R., Tulare, Calif. 1916.
Rey, George S., S. Court St., Visalia, Calif. 1916.
Reynolds, Francois H. K., B. A. I. Quarantine Div., Washington, D. C. 1916.
Reynolds, Howard C., Factoryville, Pa. 1915.
Rhea, R. Lee, Houston & Bowie Sts., San Antonio, Tex. 1914.
Rhoads, Warren L., Lansdown, Pa. 1914.
Rhodes, C. J., Beloit, Wis. 1915.
Rhody, Francis S., Chatham, Ont. 1916.
Rice, Chas. D., Ames, Ia. 1916.
Rice, John M., Cambridge St., South, Lindsay, Ont. 1915.
Rice, Ray D., Maple Rapids, Mich. 1915.
Ricebarger, Benjamin F., 200 W. Main St., St. Charles, Ill. 1916.
Rich, Frank A., Agricultural Experiment Station, Burlington, Vt. 1915.
Rich, Theodore S., 1477 W. Grand Blvd., Detroit, Mich. 1916.
Richards, L. J., Delaware, Ohio. 1916.
Richards, Thos. H., 1127 Keele St., Toronto, Ont. 1915.
Richards, Wm. R., care W. N. Neil, S. Omaha, Neb. 1914.
Richards, William Wilson, Box 950, Manila, P. I. 1916.
Richmond, Harry A., Molson, Wash. 1916.
Riddell, Robert, 460 Chester St., Victoria, B. C., 1915.
Ridge, Wm. H., Maple Ave., Somerton, Philadelphia, Pa. 1916.
Riedel, Philip H., 1401 Roache St., Indianapolis, Ind. 1915.
Rietz, J. H., 633 Crawford Ave., Ames, Ia. 1916.
Riley, Edw. H., Experiment Station, Bozeman, Mont. 1916.
Riordon, J. J., Beverly Farms, Mass. 1915.
Riordon, Wm. F., Gilroy, Calif. 1915.
Rishel, Albert E., 215 Custom House, New York, N. Y. 1915.
Risley, Harry B., 74 Adams St., Brooklyn, N. Y. 1916.
Ritter, Philip, 1609 E. 37th St., Kansas City, Mo. 1916.
Ritter, Roy W., Holtville, Calif. 1916.
Rivers, Reuben N., Lansdale, Pa. 1913.
Rives, Robert, National Stock Yards, Ill. 1916.
Roach, Frank, Box 489, Pendleton, Ore. 1915.
Roadhouse, Chester L., College of Agriculture, Berkeley, Calif. 1916.
Roberts, Geo. H., 2242 Park Ave., Indianapolis, Ind. 1915.
Roberts, Guy A., Agricultural Experiment Station, West Raleigh, N. C. 1916.
Roberts, J. H., 64 King St., Northampton, Mass. 1915.
Roberts, James William, Davis Creek, Calif. 1916.
Robertson, Allan, 1127 Keele St., Toronto, Ont. 1916.

- Robertson, James, 735 E. 44th St., Chicago, Ill. 1915.
Robertson, James E., Monona, Ia. 1915.
Robinson, Beal A., 310 N. 8th St., Independence, Kans. 1916.
Robinson, Edwin A., 214 Bollingsbrook St., Petersburg, Va. 1916.
Robinson, John W., Garrison, N. Dak. 1915.
Robinson, John W., 3 Lincoln St., Natick, Mass. 1916.
Robinson, Major S., Camp Hughes, Man. 1916.
Robinson, Paul L., 535 Public Ave., Beloit, Wis. 1913.
Robinson, Thomas E., 65 Main St., Westerly, R. I. 1916.
Robinson, Wm. B., 72 Maysville St., Mt. Sterling, Ky. 1916.
Robinson, W. H., 87 Leland St., Portland, Me. 1916.
Rockwell, Archie Merritt, Eleanor, Ill. 1916.
Rockwell, C. S., 5128 Chestnut St., Philadelphia, Pa. 1916.
Rodgers, J. C., 715 Jackson St., Anderson, Ind. 1916.
Rogers, Arthur B., Live Stock Exchange, Sioux City, Iowa. 1915.
Rogers, Burton R., St. Joseph Veterinary College, St. Joseph, Mo. 1915.
Rogers, Howard P., 68 Cochituate St., Saxonville, Mass. 1915.
Rohrer, C. G., 128 W. 53rd St., New York, N. Y. 1915.
Roig, Chester A., 173 Carroll St., Poughkeepsie, N. Y. 1915.
Rome, John, Germantown, Md. 1915.
Ropp, Harry B., Cor. Church and 2nd Sts., Ashland, Ohio. 1916.
Rose, Thos. P., Gresham, Nebr. 1915.
Rosenberger, Arthur C., Box 1019, Stockton, Calif. 1916.
Rosenberger, Guy W., San Diego, Calif. 1916.
Rosenberger, Maynard, 306 Federal Bldg., San Diego, Calif. 1916.
Rosentiel, Chas. H., 125 Wyandotte St., Freeport, Ill. 1916.
Roshon, Harry Brown, 1131 Greenwich St., Reading, Pa. 1916.
Ross, Crittenden, 370 Convent Ave., New York, N. Y. 1916.
Ross, Harry H., 1127 Keele St., Toronto, Ont. 1916.
Ross, H. H., 4 Resson Bldg., Brandon, Man. 1916.
Ross, James D., 796 William Ave., Winnipeg, Man. 1915.
Ross, Roy G., Estherville, Ia. 1916.
Roub, J. F., Monroe, Wis. 1916.
Roueche, R. C., 1382 W. 73rd St., Cleveland, Ohio. 1915.
Rowe, Wm. B., 143 Park St., Chatham, Ont. 1916.
Roycroft, W. C., 551 So. Wilkinson St., Mobile, Ala. 1916.
Royer, B., Franklyn St., Shawano, Wis. 1916.
Ruble, Jerry L., Remount Station, Fort Bliss, Tex. 1916.
Ruffner, Fred J., Beloit, Kans. 1916.
Rumbaugh, George A., Millersburg, Ohio. 1916.
Rundle, Thomas Theodore, 435 First St., Oxnard, Calif. 1916.
Runge, Werner, 130 Union St., Newark, N. J. 1915.
Runyon, Peter F., 24 E. Main St., Freehold, N. J. 1916.
Russell, E. Everett, 69 Perham St., Farmington, Maine. 1915.
Russell, Fay Franklin, 214 Washington St., Jamestown, N. Y. 1916.
Rustad, Alvin O., 303 Bismarek St. E., Fergus Falls, Minn. 1916.
Ruth, Thomas H., DeSmet, S. Dak. 1916.

- Rutherford, J. G., Canadian Pacific Railway Co., Calgary, Alta. 1915.
- Ryan, Edw. T., 83 Washington St., Brookline, Mass. 1915.
- Ryan, Frank C., Middletown, Md. 1915.
- Rydberg, August J., San Rafael, Calif. 1916.
- Ryder, Herman R., 5719 W. Superior St., Chicago, Ill. 1916.
- Ryder, J. E., Forest Hills Inn, Forest Hills Garden, L. I., N. Y. 1916.
- Sadler, Ernest D., Wagner, S. Dak. 1916.
- Sallade, J. W., Auburn, Pa. 1916.
- Salsbery, C. E., 4220 Chestnut St., Kansas City, Mo. 1916.
- Salsbury, Jos. E., Western, Nebr. 1916.
- Salter, W. R., Stronghurst, Ill. 1916.
- Sanders, Alfred E., 1033 Shelby St., Indianapolis, Ind. 1914.
- Sanderson, William, Sidney, Ohio. 1915.
- Sanford, E. F., 117 Sterling Pl., Brooklyn, N. Y.
- Sapp, Chas. F., Hampstead, Md. 1916.
- Sater, Clinton H., Hamilton, O. 1916.
- Savage, Arthur J., 414 E. Pikes Peak Ave., Colo. Springs, Colo. 1916.
- Savage, Willard A., Box 527, Tucumcari, N. Mex. 1916.
- Sawyer, F. N., Bakersfield, Calif. 1915.
- Sayre, B. Harry, Brookings, S. Dak. 1915.
- Schader, Curtis H., Sunnyside, Wash. 1915.
- Schaefer, Edw. H., 3215 Anderson Ave., Kansas City, Mo. 1914.
- Schaefer, G. L., Tekamah, Nebr. 1916.
- Schaefer, Valentine, Tekamah, Nebr. 1916.
- Schaffer, Geo. R., Midland, Mich. 1916.
- Schaffter, E. P., 408 P. O. Bldg., Detroit, Mich. 1916.
- Schafstall, A. C., New Washington, Ohio. 1916.
- Schalk, Arthur F., Fargo, N. Dak. 1916.
- Schaufler, Chas. A., Hunting Park Ave., Philadelphia, Pa. 1916.
- Schermerhorn, Robert J., 106 East Citrus Ave., Redlands, Calif. 1916.
- Schleich, Fred Harrison, Williamsport, Ohio. 1915.
- Schlingman, A. S., Eaton, O. 1916.
- Schloemer, Chas. C., 602 River Terrace, Hoboken, N. J. 1915.
- Schmidt, Hubert, College Station, Tex. 1915.
- Schmidt, John P., 200 W. North Ave., Pittsburgh, Pa. 1916.
- Schneider, Ernest, Kulm, N. Dak. 1916.
- Schneider, Francis, O., Box 504, Nicholasville, Ky. 1916.
- Schneider, F. H., York and Erie Ave., Philadelphia, Pa. 1916.
- Schneider, Frederick L., Box 464, Albuquerque, N. M. 1916.
- Schoenenberger, John Guy, Winterset, Ia. 1916.
- Schoening, Harry W., B. A. I., Washington, D. C. 1915.
- Schoenleber, F. S., 805 Houston St., Manhattan, Kans. 1915.
- Schreck, Oscar, 94 William St., New Haven, Conn. 1916.
- Schreiber, R. J., Monticello, N. Y. 1916.

- Schroeder, E. C., B. A. I. Experiment Station, Bethesda, Md. 1916.
Schubel, Otto W., Quincy, Mich. 1916.
Schucengost, Robert Hunter, Swea City, Ia. 1915.
Schuh, Herman L., 152 Louis St., Grand Rapids, Mich. 1916.
Schulz, Carl A., Independence, Mo. 1916.
Schultz, Chas. H., Box 84, Seattle, Wash. 1916.
Schumacher, Wilhelm, 1450 Park Ave., Durango, Colo. 1915.
Schwarze, Herman R., 500 S. Douglas Ave., Springfield, Ill. 1916.
Schwarzkopf, Olaf, 3rd U. S. Cavalry, Fort Sam Houston, Tex. 1916.
Schwein, Payson E., Elkhart, Ind. 1915.
Scott, Carl J., Knoxville, Ia. 1915.
Scott, Geo. A., 315 E. 6th St., Waterloo, Ia. 1916.
Scott, John A., Waverly, Minn. 1915.
Scott, M. W., 24 S. 6th St., Vincennes, Ind. 1915.
Scott, Wm. A., 1407 1st Ave., Columbus, Ga. 1916.
Sebright, Melvin R., Crofton, Nebr. 1916.
Seeley, James T., 1101 Westlake Ave. N., Seattle, Wash. 1916.
Seibert, Walter D., 808 Howard St., Petoskey, Mich. 1913.
Selby, Orval C., Worthington, Minn. 1916.
Selby, Stephen A., 429 W. 43rd St., New York, N. Y. 1916.
Self, Presley M., Farmersburg, Ind. 1916.
Senseman, Benj. F., 1723 N. 55th St., Philadelphia, Pa. 1915.
Sevenster, John, Washington St., Hamburg, Ia. 1915.
Severcool, Lucius A., 217 Lake Ave., Elyria, Ohio. 1915.
Severin, John R., care B. A. I., Room 230, Exch. Bldg., Sioux City, Ia. 1915.
Severovic, Mirko F., 1821 W. 22nd St., Pilsen Sta., Chicago, Ill. 1915.
Sexmith, A. B., Charlotte, Mich. 1916.
Sexton, Michael J., 819 Marquette Ave., Minneapolis, Minn. 1916.
Shand, James Reid, U. S. Army, Tientsin, China. 1916.
Sharp, Charles E., Greenfield, Ind. 1916.
Sharp, Walter E., Newton, Ia. 1915.
Shartle, Walter W., 413 New Jersey St., Indianapolis, Ind. 1916.
Shaw, Charles W., 200 W. 78th St., New York, N. Y. 1916.
Shaw, Clarence E., 115 Sterling Pl., Brooklyn, N. Y. 1916.
Shaw, W. G., Knoxville, Tenn. 1916.
Shaw, Wm. Harvey, Pawnee, Ill. 1916.
Shealey, Alonzo S., Bureau of Agriculture, Manila, P. I. 1916.
Shearburn, Thos. O., Walnut, Ill. 1916.
Sheckler, Wm. E., 39th and Woodland Ave., Philadelphia, Pa. 1916.
Shelton, J. E., Box 308, Arkansas City, Kan. 1916.
Shepard, E. H., 2027 E. 105th St., Cleveland, Ohio. 1916.
Sheppard, Wm., Neck Rd., Sheepshead Bay, Long Island, N. Y. 1916.
Sheridan, George, Ashland, Nebr. 1915.
Sherwood, Arthur M., Naperville, Ill. 1915.
Shevalier, Eugene D., Escanaba, Mich. 1915.
Shigley, J. F., Kenmare, N. Dak. 1916.

- Shigley, Ralph E., Kenmare, N. Dak. 1916.
Shikles, Ernest Adair, Dearborn, Mo. 1916.
Shillinger, Jacob E., Easton, Md. 1915.
Shipley, Levi U., Sheldon, Ia. 1915.
Shipley, Trajan, Live Stock Exchange Bldg., Sioux City, Ia. 1915.
Shipman, Oliver B., Hilo, Hawaii. 1915.
Shonyo, John Howard, 711 Boyd Bldg., Winnipeg, Man. 1916.
Shore, Chalmers S., Lake City, Minn. 1915.
Shore, Howard J., Dept. of Agriculture, Washington, D. C. 1916.
Shreve, Raymond M., Vine & Church Sts., Panora, Ia. 1916.
Shuler, C. C., Eaton, Ind. 1915.
Shuler, W. P., Stillwater, Okla. 1916.
Shumway, Daniel G., B-4, Carlton Court, Buffalo, N. Y. 1915.
Shutte, Vernon D., Volcano House, Kau, Hawaii. 1916.
Siders, Roy A., Moran, Kans. 1916.
Sigler, Thos. A., 114 N. Jackson St., Greencastle, Ind. 1916.
Sigmond, Chas. J., Box 80, Pipestone, Minn. 1916.
Sihler, C. J., 7th and Everett Ave., Kansas City, Kan. 1915.
Silberg, Frank W., Spencerville, Ind. 1916.
Silfver, Oscar, 302 S. Jefferson Ave., Peoria, Ill. 1916.
Silverwood, Herbert, 331 Clackmas St., Portland, Ore. 1916.
Simmons, Wm. Herbert, 2344 W. Chestnut St., Louisville, Ky. 1916.
Simms, Bennett Thomas, Oregon Agricultural College, Corvallis, Ore. 1916.
Simpson, C. Rowland, 123 N. Broadway, Los Angeles, Calif. 1915.
Simpson, Hal. C., Box 69, Denison, Ia. 1916.
Simpson, Wm. H., 45 Dartmouth St., Malden, Mass. 1916.
Sims, Frank C., Aurora, Nebr. 1915.
Sims, Thos., Woodburn, Ore. 1916.
Sisk, David E., Seymour St., Mahomet, Ill. 1916.
Sisson, Septimus, Ohio State University, Columbus, Ohio. 1916.
Skerritt, Wm. Henry, 315 Columbia St., Utica, N. Y. 1916.
Skinner, John Frederick, Box 167, Morris, Man. 1915.
Slater, Leroy E., 1115 Prospect St., Indianapolis, Ind. 1915.
Slawson, Alexander, 248½ St. Nicholas Ave., New York, N. Y. 1915.
Sleeth, Trewelyn E., 688-690 Seymour St., Vancouver, B. C. 1916.
Smead, Morgan J., Parkdale Farm, Rochester, Mich. 1916.
Smellie, James, Eureka, Ill. 1916.
Smillie, E. W., Rockefeller Institute, Princeton, N. J. 1916.
Smith, Arthur L., Mechanicsville, N. Y. 1916.
Smith, A. W., Farmer City, Ill. 1915.
Smith, Bert C., Brigden, Ont. 1915.
Smith, Clarence E., Dept. of Public Health, Greenville, S. Car. 1915.
Smith, Eldon, 717 Watson St., Grand Rapids, Mich. 1916.
Smith, Ernest I., Baton Rouge, La. 1916.
Smith, Fletcher Eugene, 4801 Evanston Ave., Seattle, Wash. 1916.
Smith, George A., Rigby, Ida. 1916.

- Smith, George F., Vicksburg, Miss. 1914.
Smith, George W., 157 6th St., Hoboken, N. J. 1915.
Smith, Henry V., 90 Wildmere Ave., Detroit, Mich. 1915.
Smith, Herbert M., 407 Federal Bldg., Providence, R. I. 1915.
Smith, Jesse P. F., 2310 Central Ave., Kansas City, Kans. 1915.
Smith, Robert P., Wendell, Ida. 1915.
Smith, Roy C., 123 East Randolph St., Enid, Okla. 1916.
Smith, R. V., 17 Court St., Frederick, Md. 1915.
Smith, Stanley N., 112 College Ave., Columbus, Mo. 1915.
Smith, S. P., Cando, N. Dak. 1915.
Smith, T. E., 309 Barrow St., Jersey City, N. J. 1916.
Smith, Wilbur C., Fairfield, Ia. 1916.
Smith, Wright J., 260 Clinton Ave., Kingston, N. Y. 1916.
Smythe, Frank R., 1533 Groesbeck Rd., Cincinnati, Ohio. 1915.
Snyder, Rudolph, 444 Federal Bldg., Denver, Colo. 1916.
Sockman, Clifford Clyde, Deshler, Ohio. 1915.
Solt, C. H., Arlington, Ohio. 1915.
Songer, Lee C., Dept. of Agriculture, Olathe, Kans. 1915.
Sorenson, Andreas I., R. F. D. No. 6, Stockton, Calif. 1916.
Sorrel, Warren, Willard, N. Mex. 1915.
Spade, Fred A., Constantine, Mich. 1916.
Spalding, N. C., Castle Gate, Utah. 1915.
Sparks, H. C., Ottawa, Ont. 1916.
Sparling, Wm., Harrow, Ont. 1916.
Spear, Wm. H., 122 Cumberland Ave., Portland, Me. 1915.
Spencer, H. H., 429 W. Adams St., Jacksonville, Fla. 1916.
Spencer, Tracy N., 7 W. Depot St., Concord, N. C. 1916.
Sprague, John D., Seward, Nebr. 1915.
Springer, C. W., 48 Morgantown St., Uniontown, Pa. 1915.
Springer, Samuel E., B. A. I., South Side, Omaha, Nebr. 1916.
Sprink, George F., care Parke, Davis & Co., Detroit, Mich. 1916.
Staab, John J., 1422 W. 65th St., Cleveland, Ohio. 1915.
Stahl, Benton M., 4061 Ellis Ave., Chicago, Ill. 1916.
Staley, Raymond M., Camp Hill, Pa. 1915.
Stamp, Ashley G., 198 Candler Ave., Highland Park, Mich. 1915.
Stancilift, Ray J., 15th Cavalry, Fort Riley, Kan. 1916.
Stange, C. H., Iowa State College, Ames, Ia. 1916.
Staples, Wm. D., 1813 Quintard Ave., Anniston, Ala. 1916.
Starnaman, George W., 340 Rielle Ave., Verdun, Que. 1916.
States, Harry E., 93 Bagley Ave., Detroit, Mich. 1914.
Steddon, R. P., 1468 Harvard St., Washington, D. C. 1916.
Steel, Edw. R., Chester, Nebr. 1915.
Steele, Harry F., Ft. McIntosh, Laredo, Tex. 1915.
Steele, Joseph G., 217 Exchange Bldg., Ft. Worth, Tex. 1915.
Stehle, Frederick, Jr., 5145 Pine St., Philadelphia, Pa. 1915.
Steigley, Raymond W., LaPorte, Ind. 1916.
Steinbach, G. Frederick, Oak & Pacific Ave., Wildwood, N. J. 1916.

- Stephens, George, 18 Maplewood Terrace, White River Jnet., Vt. 1915.
- Stetson, Henry G., 24 Cliff St., St. Johnsbury, Vt. 1916.
- Stevens, Cecil H., Box 106, Stevensville, Mont. 1916.
- Stevens, Guy G., 20 Park St., Groton, N. Y. 1915.
- Stevens, Herbert L., 192 Limerock St., Rockland, Me. 1915.
- Stevenson, George T., Burlington, Vt. 1913.
- Stevenson, James A., Gretna, Man. 1916.
- Stewart, A. D., Ailsa Craig, Ont. 1916.
- Stewart, C. E., Chariton, Ia. 1915.
- Stewart, H. L., Chariton, Ia. 1916.
- Stewart, Saml. L., 3335 Brooklyn Ave., Kansas City, Mo. 1915.
- Stewart, Walter C., West Union, Ia. 1916.
- Stewart, Walter J., 4352 Montgomery St., Oakland, Calif. 1916.
- Stickel, William E., Etna Mills, Calif. 1915.
- Stiner, Jarvin O., Lindsay, Calif. 1915.
- Stokes, Wilfred J., Ft. Riley, Kan. 1915.
- Stone, Garry T., Sidney, N. Y. 1915.
- Stott, R. O., 205 Commercial Place, Mason City, Ia. 1916.
- Stouder, Kirk W., Ames, Ia. 1916.
- Stouffer, David F., Bellevue, Nebr. 1915.
- Stork, Wm. W., Brampton, Ont. 1916.
- Stover, John Price, Shady Grove, Pa. 1916.
- Strayer, Joseph Edw., Hartington, Nebr. 1916.
- Street, Jno. James, Box 87, Ventura, Calif. 1916.
- Stribling, Wm. E., Clarence, Ia. 1916.
- Strickler, C. M., 25 Elm Lane, Greencastle, Pa. 1916.
- Strickler, Don B., 1108 Jefferson Bank Bldg., Birmingham, Ala. 1916.
- Stroup, Wm. L., Corinth, Miss. 1915.
- Stubbs, Evan Lee, State Farm, R. D. 3, Media, Pa. 1915.
- Sugg, Redding S. 1915.
- Sullivan, E. J., 233 Union Ave., Saratoga Springs, N. Y. 1916.
- Sullivan, Walter A., Box 666, Twin Falls, Ida. 1915.
- Summerfield, Jas. J., Main and First Sts., Santa Rosa, Calif. 1916.
- Summer, C. O., Tolono, Ill. 1916.
- Sunderville, Earl, Forest Home, Ithaca, N. Y. 1916.
- Sutherland, Arthur W., Bristol, Conn. 1916.
- Sutter, Errold, Beach, N. Dak. 1913.
- Sutton, Otis L., 1701 Kinney Ave., Cincinnati, Ohio. 1916.
- Swail, Clark E., Dixville Notch, N. H. 1916.
- Swan, Wm. R., Stevens Point, Wis. 1916.
- Swenerton, L. Daniel, 500 8th Ave. E., Vancouver, B. C. 1913.
- Swenson, Sigwart R., Maddock, N. Dak. 1916.
- Swingley, C. W., Freeport, Ill. 1916.
- Switzer, Wm. B., 50 E. 7th St., Oswego, N. Y. 1916.
- Sylvester, John Fletcher, Langdon, N. Dak. 1916.
- Tade, James M., 518 N. 1st St., Vincennes, Ind. 1915.

- Talbert, Joseph F., 721 W. 8th St., Kansas City, Kans. 1915.
Talbot, Percy R., Box 703, Edmonton, Alta. 1916.
Tamblyn, David S., Box 616, Regina, Sask. 1914.
Tansey, Edw. J., Monrovia, Ind. 1916.
Tate, H. L., 230 Exchange Bldg., Sioux City, Ia. 1916.
Taylor, Chas. H., 632 Sycamore Rd., DeKalb, Ill. 1916.
Taylor, Geo. C., Redding, Calif. 1915.
Taylor, Lawrence, L., Condon, Ore. 1915.
Taylor, Walter J., Cristobel, Canal Zone. 1915
Teague, B. B., Bode, Ia. 1916.
Teckenbrock, W. G., Metropolis, Ill. 1916.
Teie, John A., Hatton, N. Dak. 1915.
Tennent, David C., 833 A. Bathurst St., Toronto, Ont. 1916.
Tennent, J. H., 275 King St., London, Ont. 1915.
Thacker, Thomas, Renfrew, Ont. 1913.
Thayer, Warren L., 598 Pleasant Ave., Worcester, Mass. 1916.
Thomas, John, Wells River, Vt. 1916.
Thomas, Raymond F., Canton, Miss. 1914.
Thompson, John A., Edwardsville, Kans. 1915.
Thompson, John B., Harvey, N. Dak. 1916.
Thompson, John S., 903 E. 5th St., Moscow, Ida. 1915.
Thompson, Mulford C., Box 145, Sharon, Conn. 1915.
Thompson, Warwick M., 1210 Main St., Red Bluff, Calif. 1916.
Thompson, William, Box 145, Laredo, Tex. 1916.
Thomsen, Jacob J., Gladbrook, Ia. 1916.
Thomson, John T., Armstrong, Ia. 1916.
Thomson, Wm., Keremeos, B. C. 1916.
Thornton, Edw. L., Fort Kent, Me. 1913.
Tiffin, Chas. H., Frankfort, Ky. 1916.
Tillman, Albert C., Earlville, Ill. 1916.
Tillson, Hobart W., Oneonta, N. Y. 1916.
Timmons, Wilfred H., Box 254, Madison, Ind. 1915.
Tipton, Wm. B., Emporia, Kans. 1915.
Titterud, Oscar H., Preston, Minn. 1916.
Todd, Robert S., New Milford, Conn. 1916.
Tolmie, S. F. Box 1518, Victoria, B. C. 1916.
Tomlinson, W. J., Williamsport, Pa. 1914.
Tompkins, Leland J., Hobart, N. Y. 1915.
Tooley, James William, 38 Fourth St., Fond du Lac, Wis. 1916.
Topmiller, Alexander C., Murfreesboro, Tenn. 1916.
Torgerson, Henry E., 3419 Crore St., Oakland, Cal.
Torrance, F., Veterinary Director-General, Ottawa, Ont. 1916.
Torrie, Arthur R., 17 Hepbourne St., Toronto, Ont. 1916.
Totten, G. E., 410 Fulton Bldg., Pittsburgh, Pa. 1916.
Tow, Edward, 1415 J St., Sacramento, Calif. 1915.
Towne, George V., Box 54, Thompson, Conn. 1916.
Towner, Albert N., Towners, N. Y. 1915.
Townsend, George, New Glasgow, N. S. 1916.

- Townsend, Norris L., 104 W. 42nd St., New York, N. Y. 1916.
Tracy, Angus W., Sherbrook, Que. 1915.
Trainor, Peter F., 42 Mercer St., Jersey City, N. J. 1913.
Traum, Jacob, University of California, Berkeley, Cal. 1915.
Treadway, Charles R., 2438 Prospect Av., Kansas City, Mo. 1915.
Trickett, Arthur, 1336 E. 15th St., Kansas City, Mo. 1915.
Trigg, William Stark, Beaufort, S. C. 1916.
Trippeer, H. A., 219 Newell St., Walla Walla, Wash. 1915.
Trone, Winson, 96 Hower Av., E. Cleveland, O. 1916.
Troutman, W. A., Port Trevorton, Pa. 1916.
Truax, Blair W., Burr Oak, Kansas. 1916.
Tumbleson, Benj. F., Genoa, Nebr. 1916.
Turlington, John A., Melfa, Va. 1915.
Turner, H. A., Rose Ave., Pleasanton, Calif. 1915.
Turner, Henry W., New Hope, Pa. 1916.
Turner, John E., 204 S. Detroit St., Kenton, Ohio. 1915.
Turney, Carl D., Germantown, O. 1916.
Tuttle, Lyford E., Grafton, N. H. 1915.
Tuxill, A. J., 5 Lincoln St., Auburn, N. Y. 1915.
Twitchell, J. M., 24 Bridge Ave., Nashville, Tenn. 1916.
Tyler, John Lou, 125 S. Main St., Pomona, Calif. 1916.
Tyner, Alpheus L., Goldsmith, Ind. 1916.
Udall, D. H., N. Y. State Vet. College, Ithaca, N. Y. 1915.
Underhill, B. M., 3 West 3rd St., Media, Pa. 1916.
Utt, James Garfield, 1000 G. St., Sacramento, Calif. 1916.
Utter, B. A., Triumph, Minn. 1916.
Utter, J. W., Sherburn, Minn. 1916.
Vail, Irving Roe, 20 George St., New Haven, Conn. 1915.
Vail, Wallace F., Havemeyer Place, Greenwich, Conn. 1915.
Van Brussel, O. H., Wayland, Mich. 1916.
Van Cleave, Walter B., Chrisman, Ill. 1916.
Van de Ere, Jacob, Sherwood, N. Dak. 1916.
Vanderwarf, Cornelius, 1343 Vincennes Ave., Chicago Heights, Ill. 1915.
Van De Woo, H. J., Jr., Orange City, Ia. 1916.
Van Hoozer, A. L., Powell, Wyo. 1916.
Van Es, L. M. D., Agricultural College, Fargo, N. D. 1916.
Vans Agnew, Robert, Ft. Leavenworth, Kan. 1916.
Van Vracken, Harvey S., Story City, Ia. 1916.
Vara, J. J., 211-213 Federal Bldg., Atlanta, Ga. 1916.
Veit, Wm., 240 N. 52nd St., Philadelphia, Pa. 1915.
Veldhuis, Zachary, 408 P. O. Bldg., Detroit, Mich. 1915.
Venable, Jos. W., Cullman, Ala. 1916.
Vermilya, Ralph F., 2099 Shelby Ave., St. Paul, Minn. 1915.
Viers, Silas B., Dilles, Nebr. 1916.
Vigneau, Joseph H., Union Mkt. Hotel, Watertown, Mass. 1915.
Vliet, Geo. B., 202 Baldwin St., Hackettstown, N. J. 1915.
Vollmer, Carl G., Bryan, Ohio. 1915.

- Vorhees, E. R., 87 E. Main St., Somerville, N. J. 1916.
Vulliamy, H. F., Plaquemine, La. 1914.
Wadsworth, Francis R., Lindsey, Ohio. 1916.
Wageman, Grover M., 210 W. Superior St., Kokomo, Ind. 1915.
Wagner, Charles O., Elkton, Ky. 1915.
Wagoner, C. Otto, 212 S. 10th St., Richmond, Ind. 1916.
Walch, Chas. Ira., 4823 King Hill Ave., St. Joseph, Mo. 1915.
Walch, Clemence C., B.A.I. Exchange Bldg., S. St. Joseph, Mo. 1915.
Walker, R. G., 238 Aberdeen St., Chicago, Ill. 1916.
Walkley, Seymour J., 185 Northwestern Ave., Milwaukee, Wis. 1916.
Wallace, Chester L., 381 Dundas St., Toronto, Ont. 1916.
Wallace, W. B., 220 W. 2nd St., Marion, Ind. 1915.
Walmsley, F. D., 924 Rutger St., Utica, N. Y. 1915.
Walsh, Ernest J., Minot, N. Dak. 1915.
Walsh, L. S. N., 4225 Delmar Blvd., St. Louis, Mo. 1915.
Walters, Frank A., Lemont, Ill. 1916.
Walters, Percy Knight, Suite 11, Argyle Court, Calgary, Alta. 1915.
Walther, Wm. A., Moorefield, Nebr. 1916.
Ward, Archibald R., B. A. I., Washington, D. C. 1915.
Ward, George R., 424 Persia Ave., San Francisco, Cal. 1915.
Ward, Harry C., Fulton, Mo. 1915.
Ward, John E., 12 E. Crescent St., Grand Rapids, Mich. 1915.
Ward, S. H., State Capitol, St. Paul, Minn. 1916.
Ward, Victor, Paso Robles, Calif. 1915.
Warn, Chas. C., Dodgeville, Wis. 1916.
Warner, Chas. G., 701 S. 4th St., Paducah, Ky. 1913.
Warnock, David, House of Commons, Ottawa, Ont. 1916.
Washburn, Henry J., 704 B. St., S. W., Washington, D. C. 1916.
Washburn, W. B., 172 E. Market St., Tiffin, Ohio. 1916.
Waters, R. E., 28 Village Rd., Brooklyn, N. Y. 1915.
Watson, Edw. A., Box 567, Lethridge, Alta. 1915.
Watson, Thos. E., 23 North Main St., Niagara Falls, Ont. 1916.
Watson, Thos. W., Kerens, Tex. 1916.
Waugh, Wm. J., 111 W. Wheeling St., Washington, Pa. 1916.
Way, Cassius, 108 Hudson St., New York, N. Y. 1916.
Way, R. D., 3911 Perkins Ave., Cleveland, Ohio. 1916.
Weaver, Cecil H., St. Lambert, Que. 1916.
Weaver, Gilbert S., Mitchell, S. Dak. 1916.
Weaver, Phillip V., Glen Cove, N. Y. 1916.
Webb, A. J., 2347 Hudson Ave., Ogden, Utah. 1915.
Webb, James Cleveland, Piedmont, Ala. 1915.
Webb, Wm. T., Quarryville, Pa. 1915.
Webb, W. W., Auburn, Ala. 1915.
Webber, Carr R., 135 Crossman Terrace, Rochester, N. Y. 1916.
Webber, Orrin B., 69 Front St., Rochester, N. Y. 1915.
Weber, Henry Stanley, 6128 Park Ave., Weehawken, N. J. 1915.
Weber, John H., Boise, Ida. 1915.
Webster, John H. L., Y. M. C. A., Reno, Nev. 1916.

- Webster, Wm. Owens, Utica, Ohio. 1916.
Weeks, Cornelius C., 309 3rd St., N. W., Washington, D. C. 1916.
Wegner, Earl Edward, Pullman, Wash. 1916.
Wehle, Frank A., 586 Sayre Ave., Lexington, Ky. 1916.
Weigel, Marion S., Cromwell, Ind. 1915.
Weinman, Joseph E., Arcadia, Nebr. 1916.
Weir, Robert, 84 Grove St., Rutland, Vt. 1916.
Weitzel, Fred, 100 Parkway West, Pittsburgh, Pa. 1915.
Welch, Guy Noble, 39 Union St., Northfield, Vt. 1916.
Welch, Wm. B., 353 W. Arrow St., Marshall, Mo. 1915.
Wells, Frank E., Westerville, Ohio. 1916.
Wells, Thomas Grover, Arthur, Ill. 1914.
Wende, Bernard P., 101 Florence Ave., Buffalo, N. Y. 1915.
Wende, Horatio S., Tonawanda, N. Y. 1914.
Werntz, Harvey Grant, E. Liberty, P. O. Box 321, Pittsburgh, Pa. 1915.
Wershow, Max, Veterinary Clinic Bldg., Columbus, Ohio. 1915.
Wertz, Sidney S., Kenesaw, Nebr. 1916.
West, Jay P., 121 Monona Ave., Madison, Wis. 1916.
Westcott, Geo. F., 1008 Congress St., Portland, Me. 1915.
Westcott, Henry B., 1008 Congress St., Portland, Me. 1915.
Westgate, Saml. S., Box 1763, Grafton, N. Dak. 1916.
Westmoreland, Dewey E., Owensboro, Ky. 1916.
Whallon, E. A., Akron, Ind. 1916.
Wheeler, A. S., Biltmore Farms, Biltmore, N. C. 1915.
Whitcomb, Morton S., Live Stock Sanitary Board, St. Paul, Minn. 1915.
White, C. D., Nashville, Tenn. 1916.
White, D. S., 1656 Neil Ave., Columbus, Ohio. 1916.
White, Ernest A., 1233 Dryade St., New Orleans, La. 1916.
White, Geo. R., 1314 Adams St., Nashville, Tenn. 1915.
White, John L., 5327 Union St., Chicago, Ill. 1916.
White, Logan A., Sioux Rapids, Ia. 1916.
White, Stephen A. K., 114 St. Andrew St., Victoria, B. C. 1915.
White, Timothy P., B. A. I., Washington, D. C. 1916.
White, V. C., Blackfoot, Ida. 1915.
White, Wm. T., 4 Edinboro Pl., Newtonville, Mass. 1915.
Whitehouse, Arthur W., Ft. Collins, Colo. 1915.
Whiteman, Harry Johnson, 1301 Ligonier St., Latrobe, Pa. 1916.
Whitesell, Roy B., 1417 Center St., Lafayette, Ind. 1915.
Whitestine, Orville G., 47 E. Washington St., Huntington, Ind. 1916.
Whiting, Rex A., West Lafayette, Ind. 1916.
Whitney, A. Homer, Narka, Kans. 1915.
Whitney, Clifford C., College Station, Tex. 1916.
Whitney, Harrison, 20 George St., New Haven, Conn. 1915.
Whitney, J. C., 3 West St. N., Hillsdale, Mich. 1915.
Whitney, John Gregory, 26 Summer St., Montpelier, Vt. 1915.
Whyte, John D., 315 Sixth Ave. East, Calgary, Alta. 1915.

- Wickham, J. C., Galion, Ohio. 1916.
Wicks, A. G., 23 N. College St., Schenectady, N. Y. 1915.
Wight, W. E., 237 McKee Pl., Pittsburgh, Pa. 1916.
Wilder, Jos. L., Akron, N. Y. 1916.
Wileden, Louis A., Lansing, Mich. 1916.
Wiley, Morris C., B. A. I., Trinidad, Colo. 1915.
Wilkins, John E., Johnson & Jordan Sts., Greenville, Tex. 1915.
Will, Evan J., Harrisonburg, Va. 1915.
Willett, Frederick C., Henry, Ill. 1915.
Willey, Lewis E., Ames, Ia. 1916.
Williams, Geo. M., 611 College St., Boone, Ia. 1916.
Williman, Earl Leroy, Ohio City, Ohio. 1915.
Willis, Harry S., Orange, Va. 1915.
Willis, Harry W., Richmond, Ind. 1916.
Wills, J. G., 27 Matilda St., Albany, N. Y. 1916.
Wilson, Louis A., 167 Commissioner St. W., Montreal, Que. 1916.
Willyoung, Lester E., 11th Cavalry, Dodge P. O., Ft. Oglethorpe, Ga. 1915.
Wilson, A. F., Carmangay, Alta. 1916.
Wilson, Arthur M., Wheatley, Ont. 1916.
Wilson, Claud, 113 So. State St., Greenfield, Ind. 1915.
Wilson, Fred O., 314 Madison St., Greenbay, Wis. 1915.
Wilson, Howard C., 416 Yancey St., Montgomery, Ala. 1916.
Wilson, John Oscar, Box 714, Miles City, Mont. 1915.
Wilson, Robert H., care Parke, Davis & Co., Rochester, Mich. 1916.
Wilson, Roy O., Stanley, N. Dak. 1916.
Wilson, W. S., Bowman, N. Dak. 1916.
Wiltrant, Frank Adam, 16 Washington St., Wilkesbarre, Pa. 1916.
Wing, Casper L., Van Wert, Ia. 1916.
Wing, Charles C., 605 City Hall, Oakland, Calif. 1916.
Winsloe, J. A. H., Cooperstown, N. Dak. 1916.
Winslow, C., Rockland, Mass. 1915.
Winslow, Joseph H., Lamoure, N. Dak. 1915.
Winstanley, John H., 119 S. 37th St., Philadelphia, Pa. 1915.
Winter, Howard E., 132 E. Second St., Plainfield, N. J. 1916.
Winteringham, Harry Barker, 118 Western Ave., Petaluma, Calif. 1916.
Wipf, J. D. C., Belgrade, Mont. 1915.
Wirt, Frederick G., Box 4, Napoleonville, La. 1916.
Wise, Wm. F., 246 W. Liberty St., Medina, Ohio. 1916.
Wisner, Scott, Omega, Nebr. 1915.
Witmer, Hervey W., Bradentown, Fla. 1915.
Witté, Charles R., 852 East St., New Britain, Conn. 1915.
Wolcott, Leroy B., Shelton, Nebr. 1916.
Wolcott, Walter A., 713 E. Johnson St., Madison, Wis. 1916.
Wolf, Ortho C., West 7th St., Ottawa, Kans. 1915.
Wood, A. L. Hampton, Ia. 1916.
Wood, Ezra P., 415 Market St., Charlottesville, Va. 1915.

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- Wood, Frederick Wm., 6th & Grayson St., Cutter Laboratory, Berkeley, Calif. 1916.
- Wood, Wm. R., 167 Commissioner St. W., Montreal, Que. 1916.
- Woodliffe, Mark J., 637 E. 20th Ave., Denver, Colo. 1916.
- Woodside, Jas. H., Groton, N. Y.
- Woodward, B. T., Naval Academy, Annapolis, Ind.
- Woolfolk, Geo. H., Pottsville, Pa. 1916.
- Worcester, Harry, 118 W. 3rd St., Middletown, Ohio. 1915.
- Worms, Albert C., 2932 Broadway, Chicago, Ill. 1916.
- Wray, A. M., Wiggins, Colo. 1915.
- Wright, C. C., 310 City Hall, Health Bureau, Portland, Ore. 1915.
- Wright, Carlton J., Cerro Gordo, Ill. 1916.
- Wright, David Edwin, 323 Ralston St., Reno, Nev. 1916.
- Wright, Harmon K., care Mulford Co., Philadelphia, Pa. 1916.
- Wright, Leslie A., Water St., Columbus, Wis. 1915.
- Wright, Norman, 137 20th St., West Saskatoon, Sask. 1915.
- Wright, W. Dean, 1701 Ressigue St., Boise, Ida. 1916.
- Wurm, John E., Pigeon, Mich. 1915.
- Yancey, Wm. E., 864 S. Virginia St., Reno, Nev. 1915.
- Yards, Wm. W., Hotel Ayers, Denver, Colo. 1913.
- Young, Frank A., Delphos, Ohio. 1916.
- Young, Geo. D., 9945 S. Irving Ave., Chicago, Ill. 1916.
- Young, G. R., 4602 Center St., Omaha, Nebr. 1915.
- Young, Hulbert, 515 N. Charles St., Baltimore, Md. 1915.
- Young, John M., 419 6th St., Brooklyn, N. Y. 1915.
- Young, Wm. A., Prospect, N. Y. 1915.
- Youngberg, Stanton, Bureau of Agriculture, Manila, P. I. 1915.
- Yunker, Elkan H., 2344 N. 18th St., Philadelphia, Pa. 1915.
- Zeiler, John Lewis, Orosi, Tulare, Co., Calif. 1916.
- Zell, Chas. August, 4362 Kenmore Ave., Edgewater Station, Chicago, Ill. 1915.
- Zickendrath, Ernest G., 101 Middlefield Road, Palo Alto, Calif. 1916.
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—Dr. A. E. Rishel has returned from Liverpool, England, and is stationed at the Custom House in New York City. He will have charge for the port of New York of the importation of hides, etc., under the Joint Order No. 1, issued by the United States Treasury Department and the Department of Agriculture. These regulations governing the certification and disinfection of hides, fleshings, hide cuttings, parings, and glue stock, sheepskins and goat-skins and parts thereof, hair, wool, and other animal by-products, hay, straw, forage, or similar material offered for entry into the United States, will be effective beginning January 1, 1917.

MISCELLANEOUS

—DR. EICHHORN LEAVES THE DEPARTMENT OF AGRICULTURE.—
Dr. Adolph Eichhorn, for a number of years connected with the Bureau of Animal Industry, has resigned to accept a position as Director of the Veterinary Department of the Lederle Antitoxin Laboratories, with headquarters at Pearl River, N. Y. Dr. Eichhorn is so widely known among the profession and has devoted so much energy to investigation that the following brief biographical sketch should be of interest:

Adolph Eichhorn was born at Lipto Szt., Miklos, Hungary, May 27, 1875. Attended the Royal Veterinary College of Budapest, Hungary, 1892 to 1895. Graduated from the New York Veterinary College in 1900, receiving the degree of Doctor of Veterinary Surgery.

In 1900-1901 he acted as Assistant Surgeon in the American Veterinary College Hospital, of New York. Engaged in teaching as Professor of Infectious Diseases and Meat Hygiene in the Veterinary Department of the George Washington University, 1910-11.

Appointed to Meat Inspection Service, B.A.I., March 25, 1901; transferred to Pathological Division at Washington, D. C., May 1, 1906.

Appointed Chief of the Pathological Division, B.A.I., July 1, 1915.

Research Work, Papers and Translations.—In cooperation with Dr. John R. Mohler, translated Edelmann's "Meat Hygiene"; Hutyrá & Marek's "Special Pathology and Therapeutics of Domestic Animals"; and Ernst's "Milk Hygiene".

Articles.—"Production of Hog Cholera Serum in Hungary";

"Complement-fixation Tests in the Diagnosis of Dourine and Glanders";

"The Need of Controlling and Standardizing the Manufacture of Veterinary Tetanus Antitoxin";

"Immune Bodies and Biological Reactions";

Articles on Glanders, and Foot-and-mouth Disease for Reference Handbook of Medical Sciences.

Contributions to the Diagnosis of Malta Fever;

"Immunization Tests in Tetanus";

"Vaccination against Hemorrhagic Septicemia";

"Ophthalmic Mallein for the Diagnosis of Glanders";

"Biological Therapeutics"; also other miscellaneous articles on similar subjects.

—Dr. Q. C. Dobbins, a prominent veterinarian of Bedford Indiana, has recovered from a severe attack of tetanus. Dr. Dobbins injured his arm on a thorn bush, tetanus developed and for nearly two weeks he was unconscious and several times it was thought that he could not recover. More than \$80.00 worth of tetanus antitoxin was used in his case.

—Dr. Adolph Casper has been transferred to Nebraska City, Nebraska, where he has been placed in charge of the meat inspection work of the Bureau of Animal Industry.

—Dr. Robert Turnbull has removed from Chicago to Fostoria, Ohio, and is in charge of meat inspection in the latter place.

—NEBRASKA SERUM LAW INVALID.—The Nebraska Supreme Court has decided that a statute enacted in that state in 1915, making it an offense to deal in anti-hog cholera serum or virus without a veterinary license from the United States Department of Agriculture, and a permit from the Live Stock Sanitary Board, is an unconstitutional interference with the right to engage in a lawful industrial pursuit; in effect, giving a monopoly to serum-manufacturing plants. And the further provision of the same act, forbidding giving or acceptance of rebates on serum or virus sold within the state, is also declared void.

Speaking of the law, the court said: "It creates a monopoly of the right to sell, and then requires those who have the monopoly to fix the price, and then it makes it unlawful for them to change the price." (Hall vs. State, 158 Northwestern Reporter, 362.)—*Druggist's Circular*.

—Dr. Frank Breed, formerly with the Lederle Laboratories, is now located with the Jensen-Salsbury Laboratories at Kansas City, Mo., in connection with their Biological Department.

—That Dr. D. Gorsuch, of Glencoe, Md., has an interest in agricultural matters is evidenced by the fact that he has won the silver cup for the best exhibition of ears of white corn. He has taken prizes at several contests.

—An interesting and important paper on "The Selection, Training and Care of the Horse for Street Cleaning Work", was presented by Dr. D. J. Mangan at the Second Annual Convention of the Society for Street Cleaning and Refuse Disposal, held at New York City. The paper is printed, in part, in the November number of *Engineering and Contracting*.

—The *Rhodesia Agricultural Journal* for October contains an interesting article on "Immunity in Its Relation to the Stock Diseases of Southern Rhodesia" by L. E. W. Bevan, M.R.C.V.S. Encouraging results are reported from the veterinary laboratory relative to

inducing immunity by plasmosis inoculation in bulls, also against horse-sickness by the use of vaccines.

—Dr. F. A. Marshall, formerly of Towanda, Pa., has located at Barberton, Ohio.

—A MOUNTAIN MEETING OF THE A. V. M. A.—We are busy men and to most of us the annual convention of the A.V.M.A means our vacation, but is it?

We travel to some distant city at a great expense, we buy a lot of non-dividend bearing stock in some fashionable hostelry, fuss for our accommodations with some impertinent clerk, tipping bellboys, porters and God knows whom, and everything else that we purchase around such places, whether "wet" or "dry", makes us feel what easy marks we are.

The convention per se is of course intensely interesting, it is good to visit with the brethren, but in the meantime, with standing collars and frock coats, this in addition to all other inconveniences, not forgetting the temperature of 100 degrees Fahrenheit in the shade, takes all vacation dreams away, and the fact of the matter is it is not a vacation.

Imagine a meeting in Estes Park, Col., away from the turmoil of the city, your food and sleeping quarters furnished at the nominal sum of \$2.50 per day; greeting in the mornings upon rising by stately pine trees and majestic mountains, a temperature around 50 degrees Fahrenheit. * * * * *

When the convention is over you have enjoyed your program more than you would in the city, you are rested in mind and body and your soul has been enriched through your visit to this, the most picturesque spot in all America, and you will not have suffered depletion of your pocketbook.

Let us be sensible and select a place like this for our future meeting place.—*The Jen-Sal Journal*.

VETERINARY MEDICAL ASSOCIATION MEETINGS

In the accompanying table the data given is reported by many Secretaries as being of great value to their Association, and it is to be regretted that some neglect to inform us of the dates and places of their meetings.

Secretaries are earnestly requested to see that their organizations are properly included in the following list:

Name of Organization	Date of Next Meeting	Place of Meeting	Name and Address of Sec'y
Alabama Vet. Med. Ass'n..	.....	Auburn	C. A. Cary, Auburn
Alumni Ass'n College of Vet. Med. O. S. U.	1917, Jan. 10..	Columbus.....	W. R. Hobbs, care O. S. U., Columbus, Ohio.
Alumni Ass'n, N. Y.-A. V. C.	.....	141 W. 54th St.	P. K. Nichols, Pt. Richmond.
Alumni Ass'n U. S. Coll. Vet. Surgeons	April 14, 1917	Wash., D. C....	C. M. Mansfield, Wash., D. C.
American V. M. Ass'n.....	August, 1917 ..	Kans. City, Mo.	L. A. Merillat, 1827 Wabash Ave., Chicago, Ill.
Arkansas Veterinary Ass'n.	Jan., 1917	Little Rock....	R. M. Gow, Little Rock
B. A. I. Vet. In. A., S. Omaha	3d Mon. each mo.	S. Omaha, Neb..	J. V. Giffe, So. Side, Omaha
British Columbia Vet. Ass'n	.....	.....	K. Chester, White Rock, B. C.
Buchanan Co. Vet. Ass'n...	Monthly	St. Joseph.....	F. W. Caldwell, St. Joseph, Mo.
California State V. M. Ass'n	.....	.....	F. M. Hayes, Davis.
Central Canada V. Ass'n....	Feb. and July..	Ottawa	A. E. James, Ottawa.
Central N. Y. Vet. Med. Ass'n	June and Nov..	Syracuse.....	W. B. Switzer, Oswego.
Chicago Vet. Society.....	2d Tu. each mo	Chicago	A. A. Leibold, Chicago
Colorado State V. M. Ass'n.	Jan. 25, 1917 ..	Denver	I. E. Newsom, Ft. Collins.
Connecticut V. M. Ass'n....	Feb. 6, 1917...	Hartford	A. T. Gilyard, Waterbury.
Delaware State Vet. Society	Jan. Ap. Jul. Oct	Wilmington ...	A. S. Houchin, Newark, Del.
Essex Co. (N. J.) V. M. A....	3d Mon. each mo	Newark, N. J..	J. F. Carey. E. Orange, N. J.
Genesee Valley V. M. Ass'n.	.....	Rochester	J. H. Taylor, Henrietta, N. Y.
Georgia State V. M. A.....	Sept. 18, 19, '17.	Columbus	P. F. Bahnsen, Americus.
Hamilton Co. (Ohio) V. A....	.....	.....	Louis P. Cook, Cincinnati.
Hudson Valley V. M. A.....	.....	Hudson	W. H. Kelly, Albany.
Idaho Ass'n Vet. graduates	1917, Feb. 4-5..	Boise	C. V. Williams, Blackfoot
Ilmo Vet. Med. Ass'n.....	.....	.....	L. B. Michael, Collinsville, Ill.
Illinois State V. M. Ass'n..	.....	Chicago	L. A. Merillat, Chicago.
Indiana Veterinary Ass'n...	1917, Jan. 9-10	Indianapolis ..	A. F. Nelson, Indianapolis.
Iowa Veterinary Ass'n.....	Jan. 9-11, 1917.	Ames	H. B. Treman, Rockwell City.
Kansas State V. M. Ass'n...	Jan. 3-4, 1917.	Wichita	J. H. Burt, Manhattan.
Kentucky V. M. Ass'n.....	Jan. 10, 1917 ..	Hopkinsville ...	D. E. Westmoreland, Owensboro
Keystone V. M. Ass'n.....	2d Tu. each mo	Philadelphia ...	C. S. Rockwell
Lake Frie V. M. Association	Pending	Pending	Phil. H. Fulstow, Norwalk, O.
Louisiana State V. M. Ass'n.	.....	.....	Hamlet Moore, N. Orleans, La.
Maine Vet. Med. Ass'n....	.....	.....	M. E. Maddocks, Augusta
Maryland State Vet. Society	.....	Baltimore	H. H. Counsellman, Sec'y.
Massachusetts Vet. Ass'n...	4th Wed. ea. mo.	Young's, Boston	E. A. Cahill, Lowell, Mass.
Michigan State V. M. Ass'n.	.....	.....	W. A. Ewalt, Mt. Clemens.
Minnesota State V. M. Ass'n	.....	.....	G. Ed. Leech, Winona.
Mississippi State V. M. Ass'n	1917 Jan. 10, 11	Clarksdale	E. S. Norton, Greenville.
Mississippi Valley V. M. Ass'n	Semi-Annually	Galesburg, Ill..	G. E. McIntyre, Alexis, Ill.
Missouri Valley V. Ass'n...	Feb. 14-16, 1917	St. Joseph, Mo.	R. F. Bourne, Kansas City, Mo.
Missouri Vet. Med. Ass'n...	.....	.....	Chas. D. Folse, Kansas City.
Montana State V. M. A....	Jan. 5-6, 1917 ..	Missoula	A. D. Knowles, Missoula
Nat'l Ass'n B. A. I. Employees	.....	.....	S. J. Walkley, 185 N. W. Ave., Milwaukee, Wis.
Neb. Vet. Med. Assoc'n.....	2d Tues. & Wed. Dec., 1916. ..	Lincoln	S. W. Alford, Lincoln
New York S. V. M. Soc'y...	.....	Brooklyn	C. P. Fitch, Ithaca, N. Y.
North Carolina V. M. Ass'n.	.....	Wrightsville Beach, N. C..	J. P. Spoon, Burlington.
North Dakota V. M. Ass'n..	.....	.....	W. J. Mulroony, Havana
North-Western Ohio V. M. A.	.....	.....	Paul E. Woods, Ottawa
Ohio State V. M. Ass'n....	1917, Jan. 11-12	Columbus	F. A. Lambert, care O. S. U., Columbus, Ohio.
Ohio Valley Vet. Med. Ass'n	.....	.....	G. J. Behrens, Evansville, Ind.
Oklahoma State V. M. Ass'n	.....	.....	R. C. Smith, Enid, Okla.
Pennsylvania State V. M. A.	Jan. 23-24, 1917	Harrisburg ...	T. E. Munce, Harrisburg
Philippine V. M. A.....	Call of Pres't.	Manila	David C. Kretzer, Manila.